



VIDEO CASSETTE RECORDER

SV-637F/633F/630F/433F/430F/233F/230F

SV-637B/633B/6303B/630B/233B/231B/230B

SV-637X/636X/635X/633X/631X/6315X/6313X

SV-530X/435X/433X/431X/235X/233X

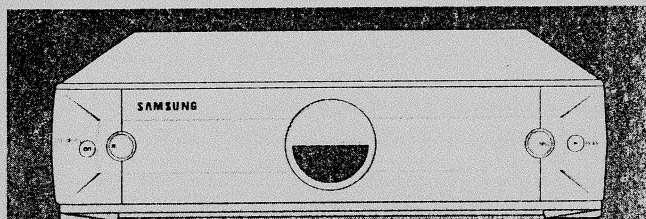
SV-231X/2315X/2313X/230X/230XD

SV-435G/430G/235G/230G

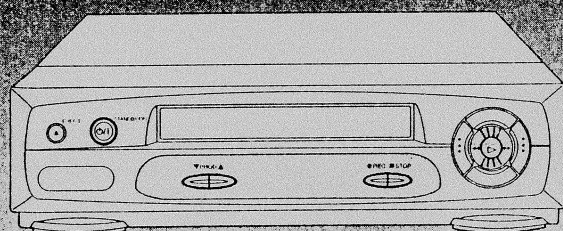
SERVICE Manual

For mechanical disassembly and adjustment, refer to the "Mechanical Manual" (DX-9R → AC68-00001A).

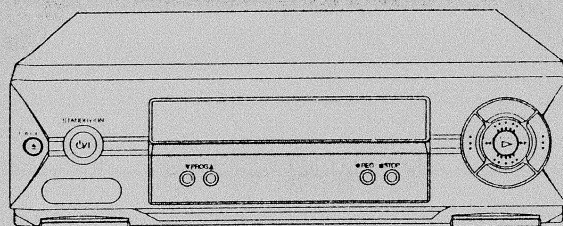
VIDEO CASSETTE RECORDER



SV-637F/633F



SV-637F/633F/636X/635X/633X/633B/630B/6303B
SV-435X/435G/433F/235X/235G/233X/233F



SV-631X/6315X/6313X/630X/530X/433X/431X/430G/430F
SV-233B/231X/231B/2315X/2313X/230X/230XD/230G/230F/230B

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IMPORTANT SERVICE GUIDE

◆ MODE SWITCH (PROGRAM SWITCH) ASSEMBLY POINT

- 1) When installing the ass'y full deck on the Main PCB, be sure to align the assembly point of mode switch.

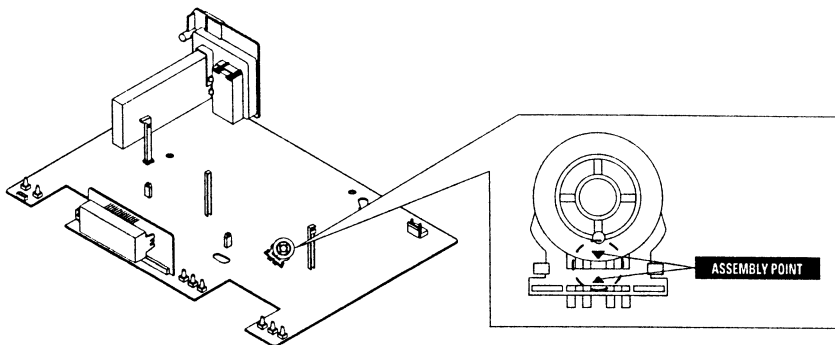


Fig. 1

◆ HOW TO EJECT THE CASSETTE TAPE

(If the unit does not operate on condition that tape is inserted into housing ass'y)

- 1) Remove the Holder Worm ❶ and the gear worm ❷. (See Fig. 2)
- 2) Turn the Gear Worm Wheel ❸ counterclockwise in the direction of arrow with screw driver. (See Fig. 2)
- 3) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwounded tape. (Refer to Fig. 3)
(If you rotate Gear Worm Wheel continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwounded tape in the state of set horizontally.)
- 4) Rotate Gear Worm Wheel ❸ counterclockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 2)

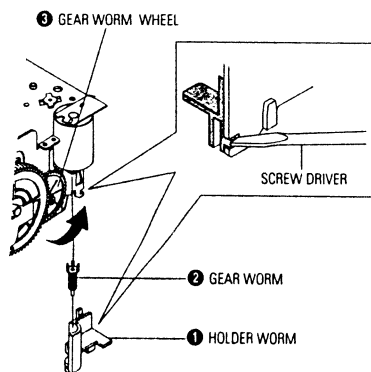


Fig. 2

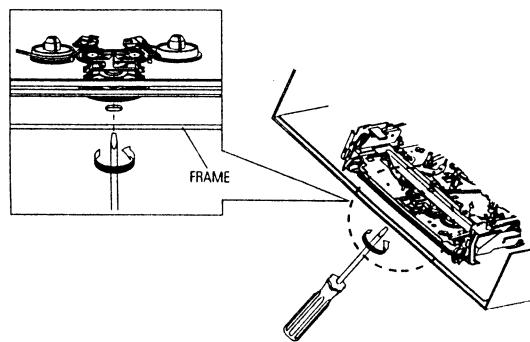


Fig. 3

1. Precautions

1. Be sure that all of the built-in protective devices are replaced. Restore any missing protective shields.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including : control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people--particularly children --might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.

If the measured resistance is less than 1.0 megohm or greater than 5.2 megohms, an abnormality exists that must be corrected before the unit is returned to the customer.

4. Leakage Current Hot Check (See Fig. 1-1) :
Warning : Do not use an isolation transformer during this test. Use a leakage current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, Leakage Current for Appliances), and Underwriters Laboratories (UL Publication UL1410, 59.7).
5. With the unit completely reassembled, plug the AC line cord directly the power outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, conduit, etc.) and all exposed metal parts, including : antennas, handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat the test.
6. X-ray Limits :
The picture tube is designed to prohibit X-ray emissions. To ensure continued X-ray protection, replace the picture tube only with one that is the same type as the original.

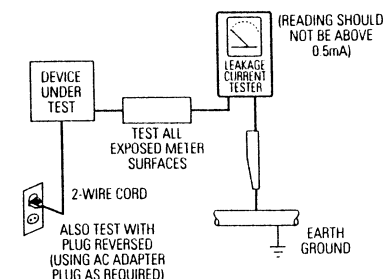


Fig. 1-1 AC Leakage Test

7. Antenna Cold Check :
With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. Connect one lead of the ohmmeter to an AC prong. Connect the other lead to the coaxial connector.
8. High Voltage Limit :
High voltage must be measured each time servicing is done on the B+, horizontal deflection or high voltage circuits.

Heed the high voltage limits. These include the X-ray protection Specifications Label, and the Product Safety and X-ray Warning Note on the service data schematic.
9. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs); examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
10. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging Wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)

11. High voltage is maintained within specified limits by close-tolerance, safety-related components and adjustments. If the high voltage exceeds the specified limits, check each of the special components.

12. Design Alteration Warning :

Never alter or add to the mechanical or electrical design of this unit. Example : Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.

13. Hot Chassis Warning :

Some TV receiver chassis are electrically connected directly to one conductor of the AC power cord. If an isolation transformer is not used, these units may be safely serviced only if the AC power plug is inserted so that the chassis is connected to the ground side of the AC source.

To confirm that the AC power plug is inserted correctly, do the following : Using an AC voltmeter, measure the voltage between the chassis and a known earth ground. If the reading is greater than 1.0V, remove the AC power plug, reverse its polarity and reinsert. Re-measure the voltage between the chassis and ground.

14. Some TV chassis are designed to operate with 85 volts AC between chassis and ground, regardless of the AC plug polarity. These units can be safely serviced only if an isolation transformer inserted between the receiver and the power source.

15. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.

16. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

17. Observe the original lead dress, especially near the following areas : Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that leads and components do not touch thermally hot parts.

18. Picture Tube Implosion Warning :

The picture tube in this receiver employs "integral implosion" protection. To ensure continued implosion protection, make sure that the replacement picture tube is the same as the original.

19. Do not remove, install or handle the picture tube without first putting on shatterproof goggles equipped with side shields. Never handle the picture tube by its neck. Some "in-line" picture tubes are equipped with a permanently attached deflection yoke; do not try to remove such "permanently attached" yokes from the picture tube.

20. Product Safety Notice :

Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.

Components that are critical for safety are indicated in the circuit diagram by shading, ( or ).

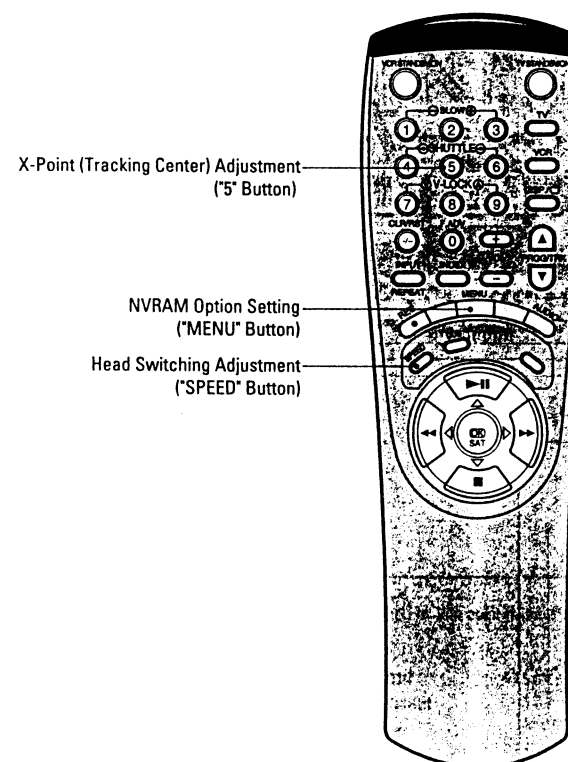
Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

2. Alignment and Adjustment

2-1 Reference

- 1) X-Point (Tracking center) adjustment, "Head switching adjustment" and "NVRAM option setting" can be adjusted with remote control.
- 2) When replacing the Micom (IC601) and NVRAM (IC605 ; EEPROM) be sure to adjust the "Head switching adjustment" and "NVRAM option setting".
- 3) When replacing the cylinder ass'y, be sure to adjust the "X-Point" and "Head switching adjustment".
- 4) Among Samsung VCR remote control used for adjustment as a accessory, only the remote control that has figures buttons (0 ~ 9) is available for all adjustment regardless of chassis.
- 5) How to adjustment.
 - Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode.
 - If the corresponding adjustment button is pressed, the adjustment is performed automatically.
 - If the adjustment is completed, be sure to turn the power off.

2-1-1 Location of adjustment button of remote control



<This type of remote control can adjust.>

Remote Control for adjustment is not supplied as a Service Jig.

Fig. 2-1

2-1-2 SW718 (TEST) location for adjustment mode setting

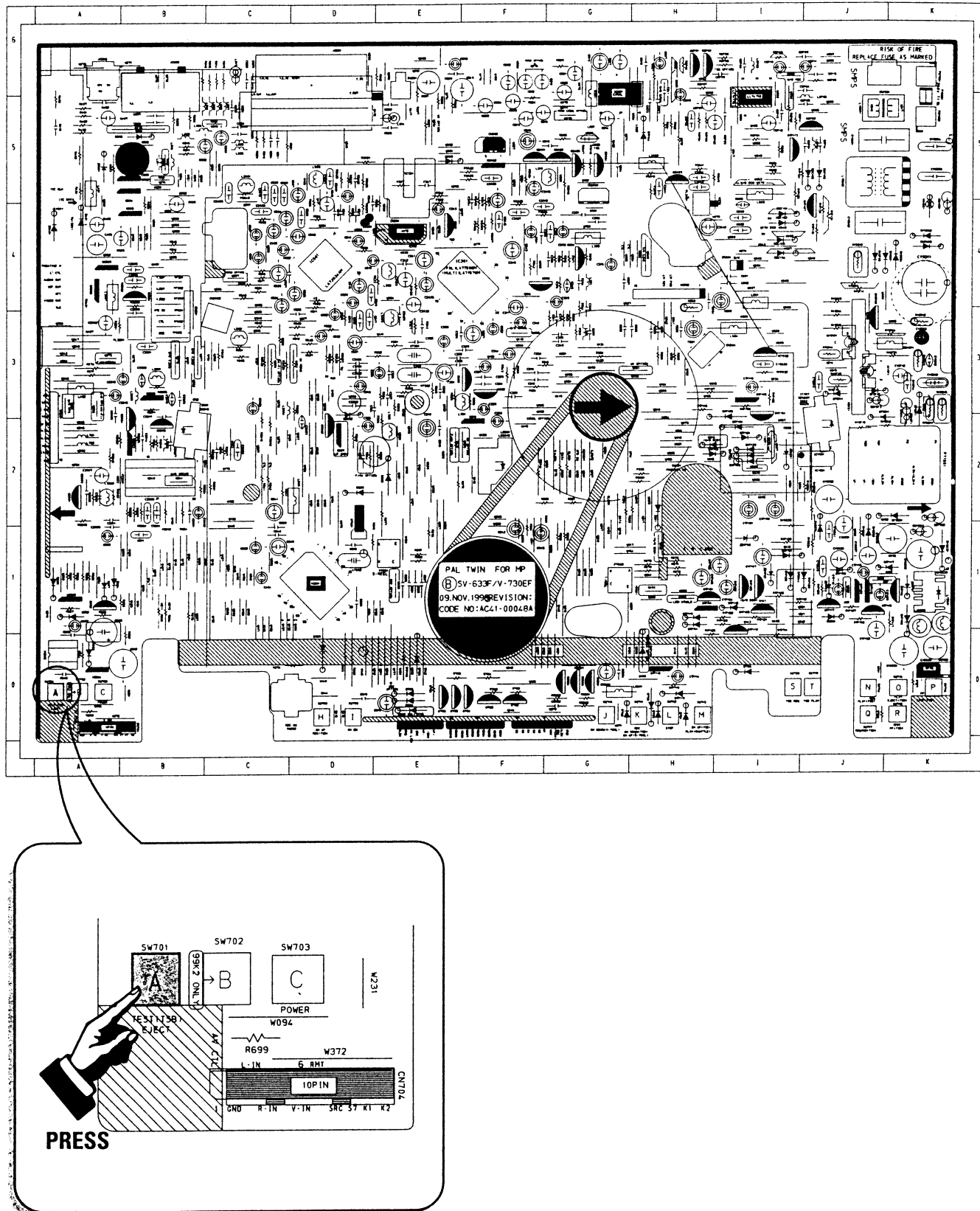


Fig. 2-2 Main PCB (Top View)

2-2 Mechanical Adjustment

Note : Refer to the Mechanical Manual "DX-9R (AC68-00001A)" for the adjustment and confirmation of ass'y full deck.

2-2-1 The number and position of test point

Test point :	TP601 (H'D S/W -Trigger)	TP301 (Video output)
	TP602 (Control Pulse)	TP302 (Audio output)
		TP303 (Envelope)

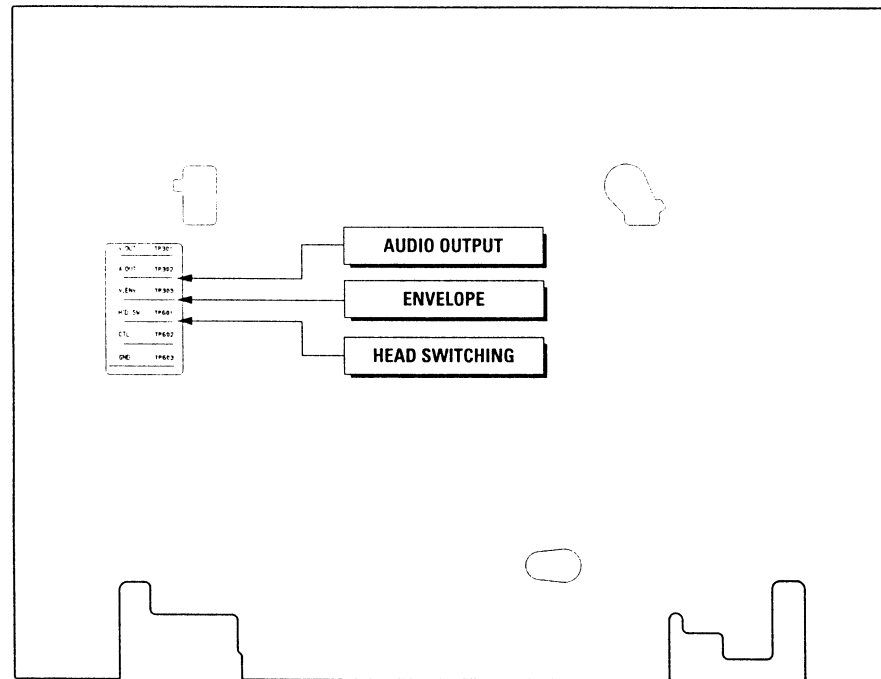


Fig. 2-3 Location of Test point (Main PCB-Top View)

2-2-2 ACE Head Position (X-Point) Adjustment (See the 2-2-1(d) ACE Head Position (X-Point) Adjustment on page 2-2 of the Mechanical Manual)

- 1) Playback the alignment tape (Color bar).
- 2) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 3) Press the "5" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
- 4) Connect the CH-1 probe to TP303 (Envelope) the CH-2 probe to TP601 (H'D switching pulse) and then trigger to CH-1.
- 5) Insert the (-) driver into the X-Point adjustment hole and adjust it so that envelope waveform is maximum.
- 6) Turn the Power off.

2-3 Head Switching Point Adjustment

- 1) Playback the alignment tape.
- 2) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 3) Press the "SPEED" button of remote control then adjustment is operated automatically. (See Fig. 2-1)
- 4) Turn the Power off.

2-4 NVRAM Option Setting

1) NVRAM Option is adjusted at production line basically.
2) In case Micom (IC601) and NVRAM (IC605 : EEPROM) is replaced, be sure to set the corresponding option number of the repaired model. (If the option is not set, the unit is not operated.)

- 1) Press the "SW718 (TEST)" button on Main PCB to set the adjustment mode. (See Fig. 2-2)
- 2) Press the "MENU" button on the remote control about 5 seconds then option setting display is appeared. (See Fig. 2-4)
- 3) Select the option number (See Table 2-1 ; Page 2-5) of corresponding model with "FF" and "REW" button on the remote control.
- 4) If selecting the option number is completed, press the "PLAY" button of remote control.
(If "PLAY" button is pressed, the selected number is changes reversed color. ; See Fig. 2-4)
- 5) Press the "OK" button of remote control again to store the option number.
("PLEASE WAIT" is displayed for a second as shown Fig. 2-5 and this setting is completed.)
- 6) Turn the Power off.

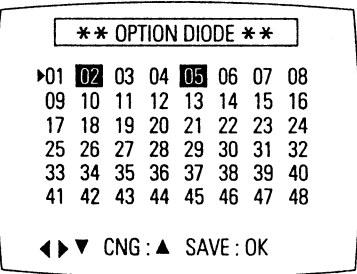


Fig. 2-4

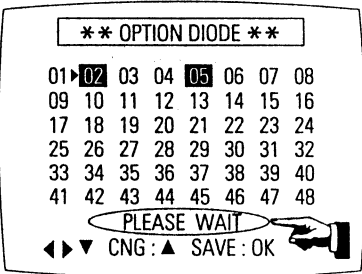


Fig. 2-5

<Table 2-1 NVRAM Option Number>

COUNTRY	MODELS	OPTION NUMBER
France	SV-637F	2, 4, 5, 6, 7, 8, 12, 13, 14, 15, 16, 18, 19, 22, 23, 24, 26, 29, 33, 37, 40, 41, 43, 44, 46, 49, 50, 53, 54
	SV-633F	2, 5, 6, 8, 12, 13, 14, 15, 16, 18, 19, 22, 23, 26, 29, 35, 37, 38, 39, 44, 46, 50, 53, 54
	SV-630F	5, 8, 12, 13, 14, 15, 18, 19, 22, 23, 26, 29, 34, 37, 38, 46, 50, 53, 54
	SV-433F	2, 5, 6, 8, 12, 16, 18, 19, 22, 23, 26, 29, 35, 37, 38, 39, 50, 53, 54
	SV-430F	5, 8, 12, 18, 19, 22, 23, 26, 29, 34, 37, 38, 50, 53, 54
	SV-233F	2, 5, 6, 16, 18, 19, 22, 23, 26, 29, 35, 37, 38, 39, 50, 53, 54
U.K.	SV-230F	5, 18, 19, 22, 23, 26, 29, 34, 37, 38, 50, 53, 54
	SV-637B	3, 4, 5, 6, 7, 8, 10, 12, 13, 15, 22, 23, 24, 27, 33, 37, 38, 39, 40, 41, 43, 44, 46, 49, 50, 54
	SV-633B	3, 6, 7, 8, 10, 12, 13, 15, 16, 22, 23, 24, 27, 35, 37, 39, 46, 50, 54
	SV-6303B	6, 7, 8, 10, 12, 13, 15, 16, 22, 23, 24, 27, 35, 37, 39, 46, 50, 54
	SV-630B	6, 7, 8, 10, 12, 13, 15, 16, 22, 23, 24, 27, 35, 37, 39, 46, 50, 54
	SV-233B	3, 7, 8, 10, 22, 24, 27, 35, 37, 38, 50, 54
Germany	SV-231B	3, 8, 10, 22, 27, 35, 37, 38, 50, 54
	SV-230B	8, 10, 22, 27, 35, 37, 38, 50, 54
	SV-637X	2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 24, 29, 32, 33, 37, 38, 39, 40, 41, 43, 44, 46, 49, 50, 53, 54
	SV-636X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 32, 33, 37, 38, 39, 44, 46, 50, 53, 54
Spain	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 29, 32, 35, 37, 38, 39, 50, 53, 54
	SV-637X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 31, 33, 37, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 31, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-633X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 31, 35, 37, 38, 39, 41, 46, 50, 53, 54
	SV-631X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 31, 35, 38, 41, 46, 50, 53, 54
	SV-530X	2, 5, 6, 7, 8, 12, 13, 16, 18, 22, 23, 24, 31, 35, 37, 38, 39, 41, 46, 50, 53, 54
Italy	SV-431X	5, 8, 12, 18, 22, 23, 31, 35, 37, 38, 50, 53, 54
	SV-235X	5, 6, 7, 16, 18, 22, 23, 24, 31, 35, 37, 38, 39, 50, 53, 54
	SV-231X	5, 18, 22, 23, 31, 35, 37, 38, 50, 53, 54
	SV-637X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 31, 33, 37, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 31, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-6315X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 29, 31, 35, 38, 46, 50, 53, 54
Portugal	SV-6313X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 29, 31, 35, 38, 46, 50, 53, 54
	SV-631X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 29, 31, 35, 38, 46, 50, 53, 54
	SV-530X	2, 5, 6, 7, 8, 12, 13, 18, 22, 23, 24, 29, 31, 35, 38, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 29, 31, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 31, 35, 37, 38, 50, 53, 54
	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 24, 29, 31, 35, 37, 38, 39, 50, 53, 54
Denmark	SV-2315X	5, 18, 22, 23, 29, 31, 35, 37, 38, 50, 53, 54
	SV-2313X	5, 18, 22, 23, 29, 31, 35, 37, 38, 50, 53, 54
	SV-231X	5, 18, 22, 23, 29, 31, 35, 37, 38, 50, 53, 54
	SV-636X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 30, 33, 37, 38, 39, 44, 46, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 30, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-631X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 29, 30, 35, 38, 46, 50, 53, 54
Sweden/Finland	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 29, 30, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 30, 35, 37, 38, 50, 53, 54
	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 24, 29, 30, 35, 37, 38, 39, 50, 53, 54
	SV-230X	18, 22, 29, 30, 35, 37, 38, 50, 54
	SV-636X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 30, 31, 33, 37, 38, 39, 44, 46, 50, 53, 54
	SV-631X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 30, 31, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54

<Table 2-1 NVRAM Option Numbers> - Continued

COUNTRY	MODELS	OPTION NUMBER
Sweden/Finland	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 24, 29, 30, 31, 35, 37, 38, 39, 50, 53, 54
	SV-230X	18, 22, 29, 30, 31, 35, 37, 38, 50, 54
Norway	SV-636X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 30, 31, 33, 37, 38, 39, 44, 46, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 30, 31, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-631X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 30, 31, 35, 38, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 30, 31, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 30, 31, 35, 37, 38, 50, 53, 54
	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 24, 30, 31, 35, 37, 38, 39, 50, 53, 54
	SV-230X	18, 22, 30, 31, 35, 37, 38, 50, 54
Netherlands	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 29, 30, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-631X	5, 6, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 29, 30, 32, 35, 38, 46, 50, 53, 54
	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 24, 29, 30, 32, 35, 37, 38, 39, 50, 53, 54
	SV-230X	18, 22, 29, 30, 32, 35, 37, 38, 50, 54
	SV-230XD	18, 22, 29, 30, 32, 35, 37, 38, 50, 54
Belgium	SV-636X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 30, 33, 37, 38, 39, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 30, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 30, 35, 37, 38, 50, 53, 54
Switzerland	SV-637X	2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 24, 31, 32, 33, 37, 38, 39, 40, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-433X	2, 5, 7, 8, 12, 18, 22, 23, 24, 31, 32, 35, 37, 38, 50, 53, 54
	SV-233X	2, 7, 16, 18, 22, 24, 31, 32, 35, 37, 39, 50, 54
	SV-230X	7, 18, 22, 24, 31, 32, 35, 37, 38, 50, 54
Austria	SV-637X	2, 4, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 18, 22, 23, 24, 32, 33, 37, 38, 39, 40, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-633X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 24, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 24, 32, 35, 37, 38, 39, 50, 53, 54
	SV-433X	2, 5, 7, 8, 12, 18, 22, 23, 24, 32, 35, 37, 38, 50, 53, 54
	SV-233X	2, 7, 16, 18, 22, 24, 32, 35, 37, 39, 50, 54
	SV-230X	7, 18, 22, 24, 32, 35, 37, 38, 50, 54
Greece	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 31, 32, 35, 37, 38, 50, 53, 54
	SV-230X	18, 22, 29, 31, 32, 35, 37, 38, 50, 54
Cyprus	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 31, 32, 35, 37, 38, 50, 53, 54
	SV-230X	18, 22, 29, 31, 32, 35, 37, 38, 50, 54
Croatia	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 31, 32, 35, 37, 38, 50, 53, 54
	SV-235X	2, 5, 6, 7, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-230X	18, 22, 29, 31, 32, 35, 37, 38, 50, 54
Slovenia	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-431X	5, 8, 12, 18, 22, 23, 29, 31, 32, 35, 37, 38, 50, 53, 54
	SV-233X	2, 7, 16, 18, 22, 29, 31, 32, 35, 37, 39, 50, 54
Yugo	SV-635X	2, 5, 6, 7, 8, 9, 10, 12, 13, 14, 15, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-435X	2, 5, 6, 7, 8, 12, 16, 18, 22, 23, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-233X	2, 7, 16, 18, 22, 29, 31, 32, 35, 37, 39, 50, 54
Hungary	SV-637X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 31, 32, 33, 37, 41, 43, 44, 46, 48, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 31, 32, 35, 37, 38, 39, 41, 44, 46, 48, 50, 53, 54
	SV-631X	5, 6, 8, 11, 12, 13, 14, 15, 18, 22, 23, 25, 31, 32, 35, 38, 46, 48, 50, 53, 54
	SV-435G	2, 5, 6, 7, 8, 11, 12, 16, 18, 22, 23, 25, 31, 32, 35, 37, 38, 39, 41, 48, 50, 53, 54

<Table 2-1 NVRAM Option Numbers> - Continued

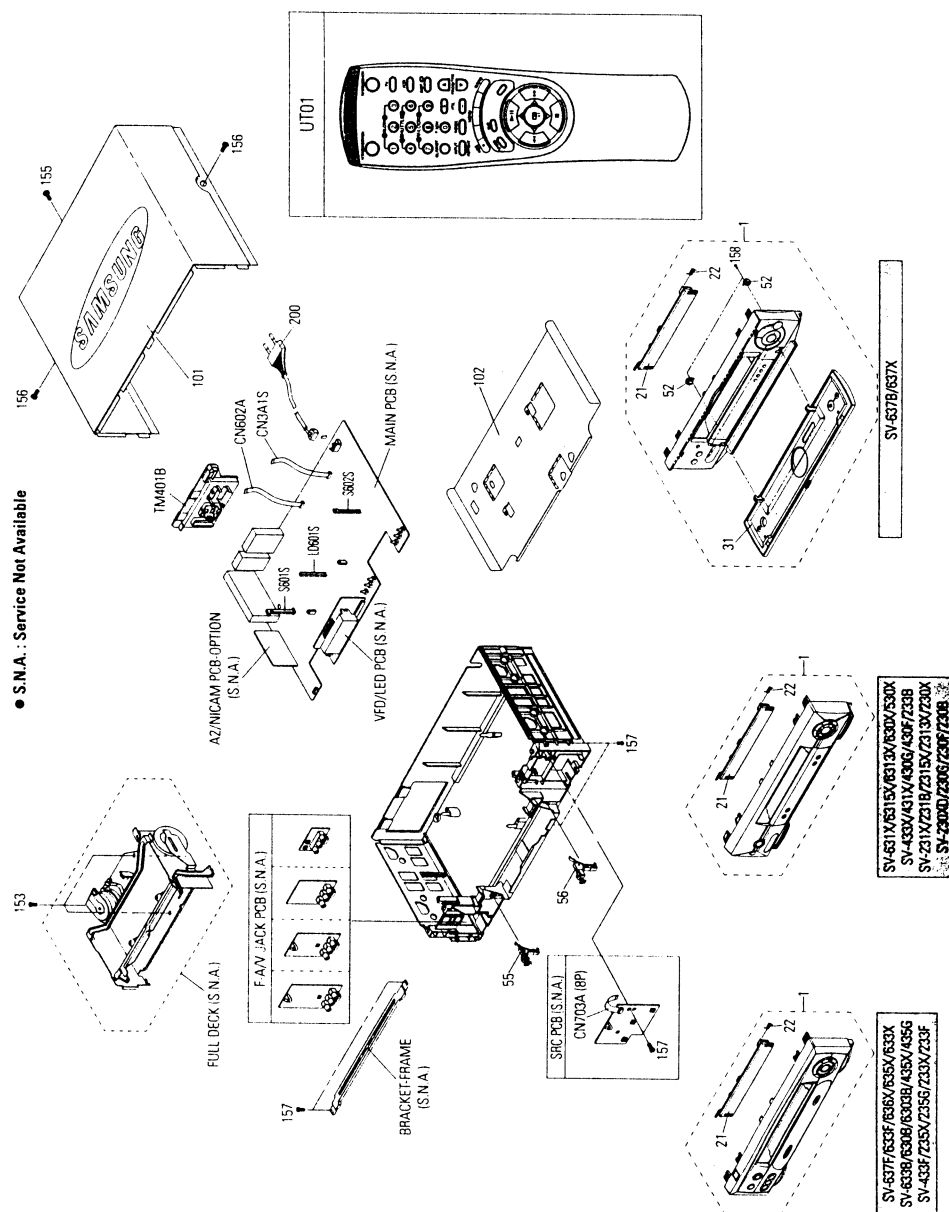
COUNTRY	MODELS	OPTION NUMBER
Hungary	SV-430G	8, 11, 12, 18, 22, 25, 31, 32, 35, 37, 38, 48, 50, 54
	SV-235G	2, 5, 6, 7, 11, 16, 18, 22, 23, 25, 31, 32, 35, 37, 38, 39, 48, 50, 53, 54
	SV-230G	11, 18, 22, 25, 31, 32, 35, 37, 38, 48, 50, 54
Romania	SV-635X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-631X	5, 6, 8, 11, 12, 13, 14, 15, 18, 22, 23, 25, 29, 31, 32, 35, 38, 46, 50, 53, 54
	SV-435G	2, 5, 6, 7, 8, 11, 12, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 41, 50, 53, 54
	SV-430G	8, 11, 12, 18, 22, 25, 29, 31, 32, 35, 37, 38, 50, 54
	SV-235G	2, 5, 6, 7, 11, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
Czech.	SV-230G	11, 18, 22, 25, 29, 31, 32, 35, 37, 38, 50, 54
	SV-637X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 29, 31, 32, 33, 37, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
	SV-631X	5, 6, 8, 11, 12, 13, 14, 15, 18, 22, 23, 25, 29, 31, 32, 35, 38, 46, 50, 53, 54
	SV-435G	2, 5, 6, 7, 8, 11, 12, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 41, 50, 53, 54
Bulgaria/ Macedonia	SV-430G	8, 11, 12, 18, 22, 25, 29, 31, 32, 35, 37, 38, 50, 54
	SV-235G	2, 5, 6, 7, 11, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-230G	11, 18, 22, 25, 29, 31, 32, 35, 37, 38, 50, 54
	SV-637X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 29, 31, 32, 33, 37, 41, 43, 44, 46, 49, 50, 53, 54
	SV-635X	2, 5, 6, 7, 8, 11, 12, 13, 14, 15, 16, 18, 22, 23, 25, 29, 31, 32, 35, 37, 38, 39, 41, 44, 46, 50, 53, 54
Poland	SV-631X	5, 6, 8, 11, 12, 13, 14, 15, 18, 22, 23, 25, 29, 31, 32, 35, 38, 46, 50, 53, 54
	SV-435G	2, 5, 6, 7, 8, 11, 12, 16, 18, 22, 23, 25, 31, 35, 37, 38, 39, 41, 48, 50, 53, 54
	SV-430G	8, 11, 12, 18, 22, 25, 31, 35, 37, 38, 48, 50, 54
	SV-235G	2, 5, 6, 7, 11, 16, 18, 22, 23, 25, 31, 32, 35, 37, 38, 39, 50, 53, 54
	SV-230G	11, 18, 22, 25, 31, 35, 37, 38, 48, 50, 54

MEMO

3. Exploded View and Parts List

	Page
3-1 Cabinet Assembly -----	3-2
3-2 Mechanical Parts (Top Side) -----	3-6
3-3 Mechanical Parts (Bottom Side) -----	3-8

3-1 Cabinet Assembly



Loc. No	Parts No.	Description ; Specification	Remark
1	Refer to table below	ASSY-PANEL FRONT;HIPS 94HB	
21	Refer to table below	DOOR-CASSETTE	
22	AC61-62032A	SPRING-MASK;X-9,-,SUS,-,4,4,-,SV-C130	
31	Refer to table below	DOOR FRONT-ASSY	
52	62664-0021-00	ASSY-DAMPER	SV-637B/637X ONLY
55	AC61-30164D	LOCKER-CODO ASSY L,-,LUCEL+SECC+SUS,-,-,	(OPTIONAL)
56	AC61-30164C	LOCKER-CODO ASSY R,-,LUCEL+SECC+SUS,-,BL	(OPTIONAL)
101	Refer to table below	CABINET-TOP;X-9,SECC,PCM,0.5,360*208*41,	
102	AC63-32128A	COVER-BOTTOM;SV-C140F,SECC,387.7X197.6	
153	AC60-12126A	SCREW-BH,-,BH,-,4*12,FE,FZY,-,-,-	
155	AC60-12134A	SCREW-TAP BH,-,BH,-,2-4X16,-,FE	
156	AC60-00001A	SCREW-MACHINE,-,BH,-,4X12,M4,L12,BLK,SMC	
157	AC60-10063A	SCREW-TAPTITE;BH,+,-,M3,L12,ZPC3,SWRCH18	
158	AC60-00069A	SCREW-TAP;3X10,FE, FEY	
200	Refer to table below	POWER CORD,KKP-419C,H03VVH2-F,VDE/KEMA-K	
CN3A1S	3809-001111	CABLE-FLAT;30V,80C,130mm,7P,1.25mm,UL289	
CN602A	3809-001049	CABLE-FLAT;30V,80C,100mm,5P,1.25mm,UL289	
CN703A	3809-001132	CABLE-FLAT;30V,80C,130mm,5P,1.25mm,UL289	SV-637B/637X ONLY
LD601S	AC61-21009A	HOLDER-LED,-,POM(M90-44)-,BLK,-,X-9	
S601S	AC61-21008A	HOLDER-SENSOR,-,POM(M90-44)-,BLK,-,X-9	
S602S	AC61-21008A	HOLDER-SENSOR,-,POM(M90-44)-,BLK,-,X-9	
TM401B	Refer to table below	CONNECTOR BOARD-ASSY;HIPS94	
UT01	Refer to table below	REMOCON-ASSY	

COUNTRY	MODELS	1	21	31	101	200	TM401B	UT01
France	SV-637F	AC97-00597M	AC64-00203S	-	AC64-30899H	AC39-10019A	AC61-00060I	AC59-00016B
	SV-633F	AC97-00597A	AC64-00203B	-	AC64-30899H	AC39-10019A	AC61-00060A	AC59-00017J
	SV-630F	AC97-00831A	AC64-00158B	-	AC64-30899H	AC39-10019A	AC61-00060A	AC59-00017B
	SV-433F	AC97-00597B	AC64-00203A	-	AC64-30899H	AC39-10019A	AC61-00060F	AC59-00017J
	SV-430F	AC97-00831B	AC64-00158C	-	AC64-30899H	AC39-10019A	AC61-00060F	AC59-00017B
	SV-233F	AC97-00597D	AC64-00203C	-	AC64-30899H	AC39-10019A	AC61-00060F	AC59-00017B
	SV-230F	AC97-00596A	AC64-00158A	-	AC64-30899H	AC39-10019A	AC61-00060F	AC59-00017B
U.K.	SV-637B	AC97-00243F	AC64-00097R	AC64-00072P	AC64-30899E	AC39-12022K	AC61-00060M	AC59-00016B
	SV-633B	AC97-00597E	AC64-00203D	-	AC64-30899H	AC39-12022K	AC61-00060C	AC59-00017B
	SV-630B	AC97-00597F	AC64-00203J	-	AC64-30899H	AC39-12022K	AC61-00060C	AC59-00017B
	SV-6303B	AC97-00597F	AC64-00203V	-	AC64-30899H	AC39-12022K	AC61-00060C	AC59-00017B
	SV-233B	AC97-00831D	AC64-00313A	-	AC64-30899H	AC39-12022K	AC61-00060H	AC59-00017B
	SV-231B	AC97-00831E	AC64-00313C	-	AC64-30899H	AC39-12022K	AC61-00060H	AC59-00017B
	SV-230B	AC97-00831F	AC64-00313D	-	AC64-30899H	AC39-12022K	AC61-00060H	AC59-00017B
Germany	SV-637X	AC97-00243D	AC64-00097V	AC64-00072N	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016B
	SV-636X	AC97-00597Q	AC64-00203W	-	AC64-30899H	AC39-10019A	AC61-00060J	AC59-00017B
	SV-435X	AC97-00597J	AC64-00203G	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017B
	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016B
Spain	SV-635X	AC97-00597G	AC64-00203E	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016B
	SV-633X	AC97-00597R	AC64-00203X	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016B
	SV-631X	AC97-00838B	AC64-00335E	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00016B
	SV-530X	AC97-00597L	AC64-00203I	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016B
	SV-431X	AC97-00831K	AC64-00313G	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-235X	AC97-00597S	AC64-00203Y	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017B
	SV-231X	AC97-00831I	AC64-00158X	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016B
	SV-635X	AC97-00597G	AC64-00203E	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016B

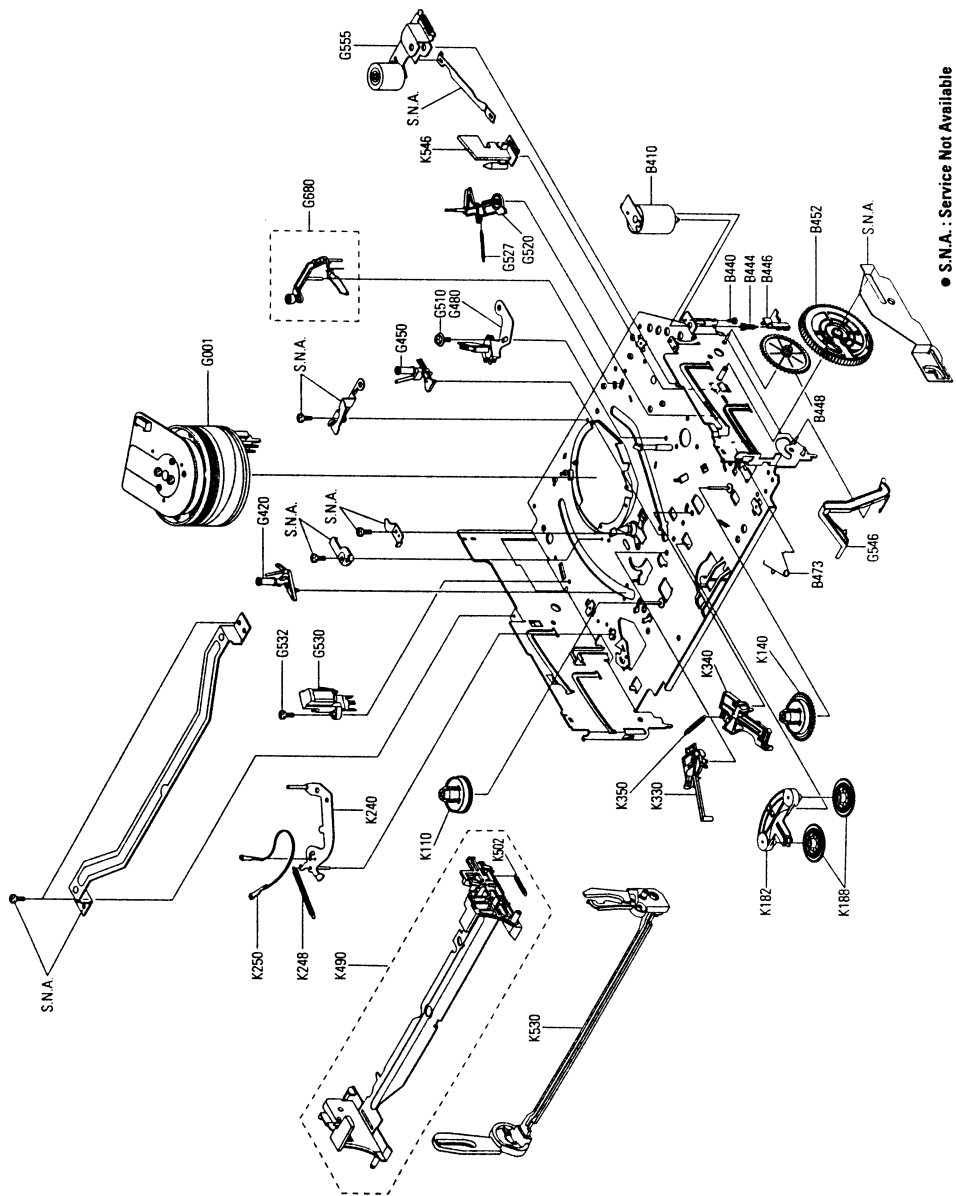
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COUNTRY	MODELS	1	21	71	101	200	TM401B	UT01
Italy	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016C
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00831P	AC64-00158B	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017B
	SV-6315X	AC97-01018A	AC64-00343Z	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00017G
	SV-6313X	AC97-01019A	AC64-00343Y	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00017G
	SV-530X	AC97-01017A	AC64-00313R	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017A
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-431X	AC97-00831T	AC64-00313L	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-235X	AC97-00597C	AC64-00203H	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-231X	AC97-00831W	AC64-00313H	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-2315X	AC97-00831U	AC64-00313M	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-2313X	AC97-00831V	AC64-00313N	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017G
Portugal	SV-635X	AC97-00597G	AC64-00203E	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00838B	AC64-00335E	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00016F
	SV-530X	AC97-00597K	AC64-00203K	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00017E
	SV-431X	AC97-00838C	AC64-00335C	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-231X	AC97-00838D	AC64-00335D	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-636X	AC97-00597O	AC64-00203W	-	AC64-30899H	AC39-10019A	AC61-00060J	AC59-00017E
Denmark	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00838E	AC64-00335E	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00017G
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-431X	AC97-00838C	AC64-00335C	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017G
	SV-235X	AC97-00597C	AC64-00203H	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230X	AC97-00838G	AC64-00335G	-	AC64-30899H	AC39-10019A	AC61-00060H	AC59-00017G
Sweden/Finland	SV-636X	AC97-00597O	AC64-00203W	-	AC64-30899H	AC39-10019A	AC61-00060J	AC59-00017E
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
Norway	SV-631X	AC97-00838E	AC64-00158B	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00017G
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-431X	AC97-00838C	AC64-00158U	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017G
	SV-235X	AC97-00597C	AC64-00203H	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230X	AC97-00838G	AC64-00335K	-	AC64-30899H	AC39-10019A	AC61-00060H	AC59-00017G
	SV-636X	AC97-00597O	AC64-00203W	-	AC64-30899H	AC39-10019A	AC61-00060J	AC59-00017E
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC5

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COUNTRY	MODELS	1	21	31	101	200	TM401B	UT01
Croatia	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-431X	AC97-00831T	AC64-00158U	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-235X	AC97-00597T	AC64-00203Z	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230X	AC97-00838W	AC64-00335C	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
Slovenia	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-431X	AC97-00831T	AC64-00158U	-	AC64-30899A	AC39-10019A	AC61-00060G	AC59-00017B
	SV-233X	AC97-00597W	AC64-00388C	-	AC64-30899H	AC39-10019A	AC61-00060H	AC59-00017E
Yugo	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-435X	AC97-00597H	AC64-00203F	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-233X	AC97-00597W	AC64-00388C	-	AC64-30899H	AC39-10019A	AC61-00060H	AC59-00017E
Hungary	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016C
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00831P	AC64-00158Q	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017G
	SV-435G	AC97-00597U	AC64-00388A	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00016C
	SV-430S	AC97-00845H	AC64-00343H	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-235G	AC97-00597V	AC64-00388B	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230G	AC97-00845J	AC64-00343J	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
Romania	SV-631X	AC97-00831P	AC64-00158Q	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017B
	SV-435G	AC97-00597U	AC64-00388A	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00016C
	SV-430S	AC97-00845H	AC64-00343H	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-235G	AC97-00597V	AC64-00388B	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230G	AC97-00845J	AC64-00343J	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
Czech.	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016C
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00831P	AC64-00158Q	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017B
	SV-435G	AC97-00597U	AC64-00388A	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00016C
	SV-430G	AC97-00845H	AC64-00343H	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-235G	AC97-00597V	AC64-00388B	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230G	AC97-00845J	AC64-00343J	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
Bulgaria Macedonia	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016C
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00831P	AC64-00158H	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017B
	SV-435G	AC97-00597U	AC64-00388A	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00016C
	SV-430G	AC97-00845H	AC64-00343H	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-235G	AC97-00597V	AC64-00388B	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230G	AC97-00845J	AC64-00343J	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
Poland	SV-637X	AC97-00243K	AC64-00097V	AC64-00072T	AC64-30899E	AC39-10019A	AC61-00060J	AC59-00016C
	SV-635X	AC97-00597N	AC64-00203U	-	AC64-30899H	AC39-10019A	AC61-00060B	AC59-00016C
	SV-631X	AC97-00831P	AC64-00158Q	-	AC64-30899A	AC39-10019A	AC61-00060B	AC59-00017B
	SV-435G	AC97-00597U	AC64-00388A	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00016C
	SV-430G	AC97-00845H	AC64-00343H	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B
	SV-235G	AC97-00597V	AC64-00388B	-	AC64-30899H	AC39-10019A	AC61-00060G	AC59-00017E
	SV-230G	AC97-00845J	AC64-00343J	-	AC64-30899A	AC39-10019A	AC61-00060H	AC59-00017B

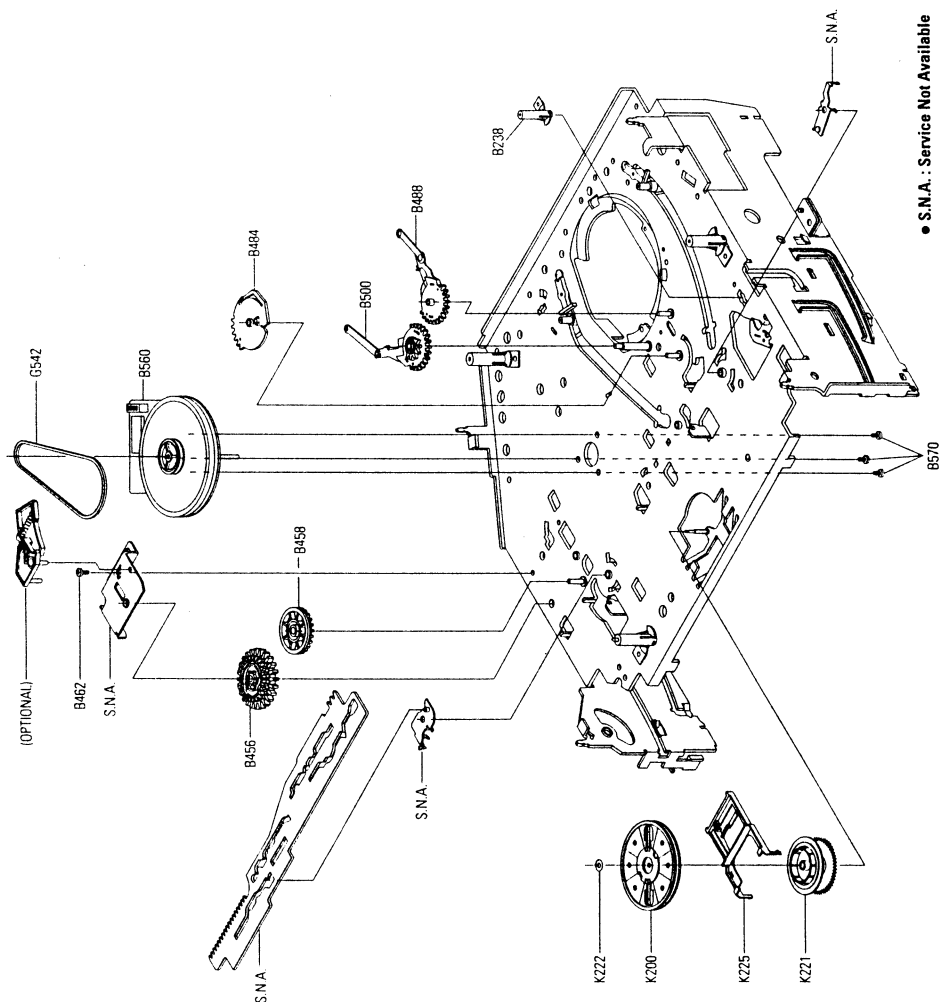
3-2 Mechanical Parts (Top Side)



● S.N.A. : Service Not Available

Part No.	Part Name	Description / Specification	Remarks
B410	AC31-12016D	MOTOR-LOADING ASSY;-.SNHNE;.-	
B440	AC60-10515A	SCREW-MACHINE;-.PH;+.M3,L3,ZPC;-.YEL	
B444	AC66-20571A	GEAR-WORM;-.POM SW-01,0.5,2;-.4.5,X-9	
B446	AC61-21005A	HOLDER-WORM;-.POM M90-44;-.X-9	
B448	AC66-20573A	GEAR-WORM WHEEL;-.POM SW-01,0.6,11;-.6.6	
B452	AC66-20575A	GEAR-FL CAM;-.POM SW-01,M0.6,Z88;-.PCD58	
B473	AC61-60559A	SPRING-PINCH DRIVE;-.TS,SUS304,PI0 5,OD4	
G001	AC97-00567A	ASSY-CYLINDER;CX-9T,SECAM 6HD/DLC	(6HD SECAM DIAMOND HEAD)
	AC97-00564A	ASSY-CYLINDER;CX-9T,SECAM 4HD	(4HD SECAM NON-DIAMOND HEAD)
	AC97-00563A	ASSY-CYLINDER;CX-9T, PAL 6HD/DLC	(6HD PAL DIAMOND HEAD)
	AC97-00549A	ASSY-CYLINDER;CX-9T, PAL 4HD	(4HD PAL NON-DIAMOND HEAD)
	AC97-00547A	ASSY-CYLINDER;CX-9T, PAL 2HD	(2HD PAL NON-DIAMOND HEAD)
	AC97-00555A	ASSY-CYLINDER;CX-9T, PAL 2HD(LP)	(2HD PAL(LP) NON-DIAMOND HEAD)
G420	AC66-80142A	SLIDER-SUPPLY ASSY;-.X-9(TS);-.X-9	
G450	AC66-80141A	SLIDER-TAKE UP ASSY;-.X-9(TS);-.X-9	
G480	AC33-00003A	HEAD-ACE ASSY,SHINHEUNG;-.X-9	
G510	6006-001075	SCREW-ASSY TAPT;WSPPH;+.M2.6,L5.0,ZPC	
G520	AC66-30539A	LEVER-#9 GUIDE ASSY;-.X-9(TS);-.X-9	
G527	AC61-60553A	SPRING-#9 GUIDE;-.ES,SUS304-WPB,OD3.1.0.	
G530	AC33-00002A	HEAD-FE;-.HVFHP0038A;-.X-9	
G532	AC60-10519A	SCREW-TAP TITE;-.PH;+.M2.6,L8,ZPC	
G546	AC66-30535A	LEVER-FL DOOR;-.POM M90-44;-.BLK,X-9	
G555	AC59-90403A	UNIT-PINCH ASSY;X-9;	
G680	AC66-30557A	LEVER-H/CLEANER ASSY;-.POM+URETHANE;.-	(OPTIONAL)
K110	AC66-10267A	REEL-DISK S;-.POM M90-44;-.X-9	
K140	AC66-10268A	REEL-DISK T;-.POM M90-44;-.X-9	
K182	AC66-30524A	LEVER-IDLER;-.POM9044;-.X-9	
K188	AC66-20577A	GEAR-IDLER;-.PEBAX 7033;-.X-9	
K240	AC66-30538A	LEVER-TENSION ASSY;-.X-9(TS);-.X-9	
K248	AC61-60554A	SPRING-TENSION LEVER;-.ES,SUS304-WPB,OD3	
K250	AC63-12029A	BAND-BRAKE ASSY;-.X-9(TS);-.X-9	
K330	AC66-30550A	LEVER-S.BRAKE ASSY;-.POM+SUS;-.X-9	
K340	AC66-30549A	LEVER-T.BRAKE ASSY;-.POM+SUS;-.X-9	
K350	AC61-60564A	SPRING-BRAKE;-.TENSION,SWP-A,0.25,3;-.X-	
K490	AC61-21010B	HOLDER-CASS ASSY;-.SECC+POM+SUS;-.X-	
K502	AC61-60561A	SPRING-FL LEVER-LR;-.ES,SUS304 WPB,PI2.7	
K530	AC66-30546A	LEVER-FL ARM ASSY;-.SECC+POM+SUS;-.X-	
K546	AC61-50658A	GUIDE-CASS. DOOR;-.POM M90-44;-.NTR;.-	

3-3 Mechanical Parts (Bottom Side)



● S.N.A. : Service Not Available

Qty. No.	Parts No.	Description	Specification	Remark
B238	AC61-50660A	SLEEVE-TENSION;-	POM M90-44,-,ID3,-,-	
B456	AC66-20576A	GEAR-JOINT 1;-	POM SW-01,M1.0,Z22,-,PCD2	
B458	AC66-20574A	GEAR-JOINT 2;-	POM SW-01,M1.0,Z14,-,PCD1	
B462	AC60-10517A	SCREW-TAP TITE;-	PH,+,-,M2.6,L5,ZPC,-,YE	
B484	AC66-20580A	GEAR-LOADING DRIVE;-	POM SW-01,M1.0,Z32,	
B488	AC66-30543A	LEVER-S LOAD ASSY;-	-,-,-,-,X-9	
B500	AC66-30542A	LEVER-T LOAD ASSY;-	-,-,-,-,X-9	
B560	AC31-00005A	MOTOR-CAPSTAN;-	F2QSB02,-,-	
B570	AC60-10514A	SCREW-CAPSTAN;-	PH,+ ,M2.6,L6,-	
G542	AC66-60051A	BELT-PULLEY;-	5CM-70.2 * 2,-,71.3,-,X-9	
K200	AC61-21012A	HOLDER-CLUTCH ASSY;-	-,-,-,-,X-9	
K221	AC66-20581A	GEAR-CENTER ASSY;-	POM,M=0.5,-,HIGHT T.,	
K222	AC60-30306A	WASHER-SLIT;-	ID2.1,OD5.0,TO.5,-,POLYS	
K225	AC66-30547A	LEVER-UP DOWN ASSY;-	POM+SUS,-,-,-,X-9	

MEMO

4. Electrical Parts List

4-1 Hi-Fi Models

Loc.No	Part No	Description, Specification	Remark	Loc.No	Part No	Description, Specification	Remark
ASSY-PCB-MAIN-HI-FI				S.N.A.			
S.M.P.S. PARTS				D1SR01 0502-001050 TR-POWER,25SC4517A,NPN,30W,TO-220,ST,10-			
B01SD1	AC27-92001M	INDUCTOR,70UH-M RT BFS3565R2F,....		D1SR02 0501-000442 TR-SMALL SIGNAL,KTC3203-YNPN,400MW,TO-9			NON-ECOLOG
B01SF1	AC27-92001M	INDUCTOR,70UH-M RT BFS3565R2F,....		R1SD11 2001-000305 R-CARBON,110KOHM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
B01SF3	AC27-92001M	INDUCTOR,70UH-M RT BFS3565R2F,....		R1SD12 2001-000003 R-CARBON,330ohm,5%,1/8W,AA,TP1.8x3.2mm			NON-ECOLOG
B01SR1	3301-000297	CORE-FERRITE BEAD,AA,3.6x1.2x5.7mm,1400,		R1SD12 2001-000362 R-CARBON,1500HM,5%,1/8W,AA,TP1.8X3.2MM			ECOLOG ONLY
B01SS2	AC27-92001M	INDUCTOR,70UH-M RT BFS3565R2F,....		R1SD13 2001-000305 R-CARBON,110KOHM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
B01SS3	AC27-92001M	INDUCTOR,70UH-M RT BFS3565R2F,....		R1SD13 2001-000319 R-CARBON,120KOHM,5%,1/8W,AA,TP1.8X3.2M			ECOLOG ONLY
C1SD03	2201-000812	C-CERAMIC,DISC,2.2nf,20%,400V,YSU,BK,12		R1SD14 2001-000305 R-CARBON,110KOHM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
C1SD04	2201-000812	C-CERAMIC,DISC,2.2nf,20%,400V,YSU,BK,12		R1SD14 2001-000319 R-CARBON,120KOHM,5%,1/8W,AA,TP1.8X3.2M			ECOLOG ONLY
C1SD11	2401-003302	C-AL,47uf,20%,400V,GP,TP1.8X31.5,7		R1SD15 2001-000305 R-CARBON,110KOHM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
C1SD12	2201-000445	C-CERAMIC,DISC,3.3nf,20%,400V,YSF,TP,1	NON-ECOLOG	R1SD16 2006-000273 R-CEMENT,27Kohm,5%,2W,CA,BK,6.4x27x6.4m			ECOLOG ONLY
C1SD12	2305-001029	C-FILM,MPEF,10nf,10%,630V,TP12x9x12.5,5	ECOLOG ONLY	R1SD16 2003-000994 R-METAL OXIDE(S),33Kohm,5%,2W,AF,TP3.9x			ECOLOG ONLY
C1SD13	2301-000361	C-FILM,PEF,1.2nf,10%,50V,TP,5mm	NON-ECOLOG	R1SD31 2001-000515 R-CARBON,2200HM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
C1SD13	2201-000376	C-CERAMIC,DISC,0.22nf,5%,50V,SL,TP6.3x3	ECOLOG ONLY	R1SD31 2001-000780 R-CARBON,4700HM,5%,1/8W,AA,TP1.8X3.2MM			ECOLOG ONLY
C1SF12	2401-001720	C-AL,33uf,20%,50V,WT,TP6.3x11.5	ECOLOG ONLY	R1SD32 2001-000221 R-CARBON,1.2KOHM,5%,1/8W,AA,TP1.8X3.2M			NON-ECOLOG
C1SR12	2401-000905	C-AL,22uf,20%,16V,BP,6X11.2,5MM	NON-ECOLOG	R1SD32 2001-000429 R-CARBON,110KHM,5%,1/8W,AA,TP1.8X3.2MM			ECOLOG ONLY
C1SR14	2301-000445	C-FILM,MPEF,4.7nf,5%,50V,TP5.5x7x3mm,5mm	NON-ECOLOG	R1SF11 2001-000319 R-CARBON,120KOHM,5%,1/8W,AA,TP1.8X3.2M			ECOLOG ONLY
C1SS01	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP17.5x7x13	△	R1SF15 2001-000591 R-CARBON,3.3KOHM,5%,1/8W,AA,TP1.8X3.2M			ECOLOG ONLY
C1SS02	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP17.5x7x13	△	R1SF19 2001-000429 R-CARBON,110KOHM,5%,1/8W,AA,TP1.8X3.2MM			NON-ECOLOG
C1SS12	2201-000129	C-CERAMIC,DISC,0.1nf,10%,14V,YSF,TP7x4		R1SF20 2003-000105 R-METAL OXIDE,0.33ohm,5%,2W,AD,TP6x16mm			ECOLOG ONLY
C1SS31	2401-000385	C-AL,10uf,20%,100V,GP,TP6.3x11.5		R1SF21 2001-000096 R-CARBON(S),1MOMHM,5%,1/2W,AA,TP2.4X6.4M			ECOLOG ONLY
C1SS32	2401-003046	C-AL,47uf,20%,50V,WT,TP6.3x11.2.5		R1SR11 2001-000119 R-METAL OXIDE,0.68ohm,5%,2W,AE,TP6x16mm			NON-ECOLOG
C1SS33	2401-003477	C-AL,330uf,20%,25V,LZ,TP10X12.5MM,		R1SR12 2003-000266 R-METAL OXIDE,300ohm,5%,1W,AD,TP4.3x12m			NON-ECOLOG
C1SS34	2401-003478	C-AL,100uf,20%,25V,LZ,TP8X11.5MM,5		R1SR14 2001-000003 R-CARBON,4700HM,5%,1/8W,AA,TP1.8x3.2mm			NON-ECOLOG
C1SS35	2401-003480	C-AL,100uf,20%,10V,LZ,TP10X16MM,5		R1SS10 2006-000262 R-CEMENT,2.7ohm,10%,2W,CB,TP7.5x11x20			
C1SS36	2401-001479	C-AL,470uf,20%,10V,GP,TP,....		R1SS11 2003-000994 R-METAL OXIDE(S),33Kohm,5%,2W,AF,TP3.9x			ECOLOG ONLY
C1SS37	2401-003046	C-AL,470uf,20%,50V,WT,TP6.3x11.2.5	VFD ONLY	R1SS13 2003-000148 R-METAL OXIDE,1000HM,5%,2W,AE,TP6x16MM			
C1SS38	2401-001479	C-AL,470uf,20%,10V,GP,TP,....	VFD ONLY	R1SS31 2001-000440 R-CARBON,10HM,5%,1/8W,AA,TP1.8X3.2MM			VFD ONLY
C1SS39	2301-000129	C-FILM,PEF,100nf,5%,50V,TP10X9X4.3X5.5m		R1SS32 2001-000429 R-CARBON,10HM,5%,1/8W,AA,TP1.8X3.2MM			
C1SS40	2301-000381	C-FILM,PEF,10nf,5%,50V,TP6.5x5x3mm,5m	VFD ONLY	R1SS33 2004-000869 R-METAL,3Kohm,1%,1/8W,AA,TP1.8x3.2mm			
CN1SS1	3711-000178	CONNECTOR-HEADER,1WALL,2P,1R,3.96mm,STRA		R1SS34 2004-000459 R-METAL,2.2Kohm,1%,1/8W,AA,TP1.8x3.2m			
D1SD11	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP		VA1SS1 1405-001026 VARISTOR,470V,600A,5x7mm,TP			△
D1SD31	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP		ZD1SS1 0403-000571 DIODE-ZENER,U2P43B,43V,40-46V,1W,DO-41,T			NON-ECOLOG
D1SD32	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP	VFD ONLY	POWER DRIVE PARTS			
D1SF05	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	ECOLOG ONLY	C1P102 2401-002144 C-AL,47uf,20%,16V,GP,TP5x11.5			
D1SF12	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP	ECOLOG ONLY	C1P103 2401-000598 C-AL,1uf,20%,50V,GP,TP4x7.5			
D1SR11	0401-000101	DIODE-SWITCHING,1N4148,100V/200mA,DO-35,	NON-ECOLOG	C1P104 2401-002299 C-AL,4.7uf,20%,50V,GP,TP5x7.5			
D1SS01	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP		C1P105 2401-003107 C-AL,47uf,20%,16V,GP,TP5x7.5			
D1SS02	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP		C1P106 2401-003107 C-AL,47uf,20%,16V,GP,TP5x7.5			
D1SS03	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP		C1P107 2401-003107 C-AL,47uf,20%,16V,GP,TP5x7.5			
D1SS04	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP		C1P108 2401-002095 C-AL,47uf,20%,25V,GP,TP6.3x5.5mm			
D1SS11	0402-000276	DIODE-RECTIFIER,UF4007,1KV,1A,DO-41,TP		C1P110 2401-000598 C-AL,1uf,20%,50V,GP,TP4x7.5			ECOLOG ONLY
D1SS31	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP		C1P114 2401-000598 C-AL,1uf,20%,50V,GP,TP4x7.5			
D1SS32	0402-001194	DIODE-RECTIFIER,U620,200V/2A,DO-204AC,TP		C1P115 2401-000598 C-AL,1uf,20%,50V,GP,TP4x7.5			
D1SS33	0404-000128	DIODE-SCHOTTKY,FMB-G1AL,45V,5A,TO-220F,T		C1P116 2401-000598 C-AL,1uf,20%,50V,GP,TP4x7.5			
D1SS44	0402-001195	DIODE-RECTIFIER,F1T4,400V,1.0A,TS-1,TP	VFD ONLY	D1P101 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			
F1SS01	3601-001208	FUSE-CARTRIDGE,250V,1.6A,TIME-LAG,GLASS	△	D1P103 0402-000127 DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP			
IC1SF1	1203-001802	IC-PWM CONTROLLER,STR-G655,TO-220F,SP,	ECOLOG ONLY	D1P105 0402-000127 DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP			
IC1SS1	0604-001028	PHOTO-COUPLER,TR,50-600%,250mW,DIP-4,ST	△	D1P108 0402-000127 DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP			
IC1SS2	AC14-120060	IC-KA431Z,TO-92,TAPING		D1P109 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			
L1SS01	AC29-30050B	FILTER-LINE NOISE,400uH,AC250V,TR12	△	D1P113 0402-000127 DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP			
L1SS02	AC29-30050C	FILTER-LINE NOISE,25MH,0.35A,AC250V,BS	△	D1P114 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			CANAL ONLY
L1SS02	AC29-00002A	FILTER LINE NOISE,30mH,.,BLF-2116	△	D1P115 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			ECOLOG ONLY
L1SS31	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,		D1P117 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			
L1SS32	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,		D1P119 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			ECOLOG ONLY
PT1SS1	AC26-00002A	TRANS SWITCHING,....,DEMKO,1.3mH,.,	△	D1P120 0402-000127 DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP			
PT1SS1	AC26-00001L	TRANS SWITCHING,....,230V,DEMCO,EE2821,△	ECOLOG ONLY	D1P125 0401-000101 DIODE-SWITCHING,1N4148,100V/200mA,DO-35,			

Loc.No.	Part No.	Description	Specification	Remark
Q1P101	0501-000616	TR-SMALL SIGNAL,KSC2328A-Y/NPN,1W,TO-92L		
Q1P102	0501-000616	TR-SMALL SIGNAL,KSC2328A-Y/NPN,1W,TO-92L		
Q1P103	0501-000616	TR-SMALL SIGNAL,KSC2328A-Y/NPN,1W,TO-92L		
Q1P104	0501-000610	TR-SMALL SIGNAL,KSA464-Y/NPN,1W,TO-92L		
Q1P105	0504-000116	TR-DIGITAL,KS1001,NPN,300mW,4.7K/4.7K,T		
Q1P106	0501-000442	TR-SMALL SIGNAL,KTC3203-Y/NPN,400mW,TO-92	ECOLOGO ONLY	
Q1P107	0501-000290	TR-SMALL SIGNAL,KSA643-Y/NPN,500mW,TO-92	ECOLOGO ONLY	
Q1P110	0504-000116	TR-DIGITAL,KS1001,NPN,300mW,4.7K/4.7K,T		
Q1P111	0504-000142	TR-DIGITAL,KS2001,PNP,300mW,4.7K/4.7K,T	ECOLOGO ONLY	
Q1P112	0501-000290	TR-SMALL SIGNAL,KSA643-Y/NPN,500mW,TO-92	ECOLOGO ONLY	
Q1P114	0501-000616	TR-SMALL SIGNAL,KSC2328A-Y/NPN,1W,TO-92L		
Q1P115	0504-000142	TR-DIGITAL,KS2001,PNP,300mW,4.7K/4.7K,T		
Q1P115	0504-000142	TR-DIGITAL,KS2001,PNP,300mW,4.7K/4.7K,T	ECOLOGO ONLY	
Q1P116	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T		
Q1P116	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	ECOLOGO ONLY	
Q1P117	0501-000442	TR-SMALL SIGNAL,KTC3203-Y/NPN,400mW,TO-92		
R1P103	2001-000304	R-CARBON,220KOHM,5%,1/4W,AA,TP1 8X3 2MM		
R1P105	2001-000273	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P106	2001-000613	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P107	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P108	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P109	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	VFD ONLY	
R1P110	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	VFD ONLY	
R1P111	2001-000110	R-CARBON,100OHM,5%,1/4W,AA,TP2 4X5 4MM	VFD ONLY	
R1P112	2001-000564	R-CARBON,270OHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P117	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P119	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2MM	ECOLOGO ONLY	
R1P121	2001-000290	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM	ECOLOGO ONLY	
R1P122	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2MM	ECOLOGO ONLY	
R1P123	2001-000273	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P125	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2MM	ECOLOGO ONLY	
R1P127	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P128	2001-000290	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R1P129	2001-000398	R-CARBON,680OHM,5%,1/8W,AA,TP1 8X3 2MM	CANAL ONLY	
R1P130	2001-000444	R-CARBON,1.2KOHM,5%,1/8W,AA,TP2 4X5 4MM	ECOLOGO ONLY	
R1P131	2001-000444	R-CARBON,1.2KOHM,5%,1/4W,AA,TP2 4X5 4MM	NON-ECOLOGO	
ZD1P01	0403-001211	DIODE-ZENER,MTZ1J2B,11.44-12.03V,500mW/D		
ZD1P02	0403-000717	DIODE-ZENER,MTZ1J5,18.5-19.4V,94-5.2V,500m		
ZD1P03	0403-000720	DIODE-ZENER,MTZ1J9,18.5-19.8V,57-9.0V,500m		
ZD1P06	0403-001211	DIODE-ZENER,MTZ1J2B,11.44-12.03V,500mW/D	CANAL ONLY	
SYSTEM CONTROL/SERVO PARTS				
C601	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C602	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C603	2001-000295	C-AL,47uf,20%,25V,GP,TP6,3x5,5mm		
C604	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C605	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C607	2401-001775	C-AL,47uf,20%,50V,GP,TP4x7.5		
C608	2401-002259	C-AL,0.1F,+80-20%,5V,TP,12,5x11		
C610	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C611	2301-000392	C-FILM,PEF,15uf,5%,50V,TP6,5x5,3mm		
C612	2401-000118	C-AL,100uf,20%,10V,GP,TP10x12.5,5		
C614	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C618	2401-000295	C-AL,47uf,20%,25V,GP,TP6,3x5,5mm		
C619	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C620	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C621	2401-000295	C-AL,47uf,20%,25V,GP,TP6,3x5,5mm		
C622	2301-000471	C-FILM,PEF,56uf,5%,50V,TP9,12x4,5mm,5mm		
C623	2202-000807	C-CERAMIC,MLC-AXIAL,22nf,+80-20%,25V,Y5V		
C624	2202-000205	C-CERAMIC,MLC-AXIAL,22nf,5%,50V,SL,TP1		
C625	2202-000205	C-CERAMIC,MLC-AXIAL,22nf,5%,50V,SL,TP1		
C626	2202-000205	C-CERAMIC,MLC-AXIAL,22nf,5%,50V,SL,TP1		
C627	2202-000205	C-CERAMIC,MLC-AXIAL,22nf,5%,50V,SL,TP1		
C628	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C633	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C634	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		

Loc.No.	Part No.	Description	Specification	Remark
C635	2202-000183	C-CERAMIC,MLC-AXIAL,2.2nf,20%,16V,Y5R,TP		
C636	2202-000183	C-CERAMIC,MLC-AXIAL,2.2nf,20%,16V,Y5R,TP		
C637	2202-000263	C-CERAMIC,MLC-AXIAL,470pf,10%,50V,Y5P,TP		
C638	2401-000918	C-AL,22uf,20%,16V,GP,6.3x7.5		
C639	2202-000121	C-CERAMIC,MLC-AXIAL,100pf,10%,50V,Y5P,TP		
C640	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C641	2401-002185	C-AL,100uf,20%,16V,GP,TP6,3x7.5		
C642	2401-000295	C-AL,47uf,20%,25V,GP,TP6,3x5,5mm		
C643	2401-000295	C-AL,47uf,20%,25V,GP,TP6,3x5,5mm		
C645	2401-003107	C-AL,47uf,20%,16V,GP,TP5x7.5		
C646	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V		
C691	2202-000797	C-CERAMIC,MLC-AXIAL,10nf,30%,16V,Y5S,TP		
C692	2301-000471	C-FILM,PEF,56uf,5%,50V,TP9,12x4,5mm,5mm		
CN601	AC39-208175	LEAD CONNECTOR,ASSY,DPSMH200-02,YH4200-		
CN602	3708-001163	CONNECTOR-FPC/PC/PC,SP1,25mm,STRAIGHT,		
CN604	3711-003749	CONNECTOR-HEADER,BOX,BP,28,2mm,STRAIGHT,		
D603	0401-000101	DIODE SWITCHING,1N4148,100V,200mA,DO-35,		
D604	0401-000101	DIODE SWITCHING,1N4148,100V,200mA,DO-35,		
D605	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP		
D611	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP		
D613	0401-000101	DIODE SWITCHING,1N4148,100V,200mA,DO-35,	NON-ECOLOGO	
D620	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP		
IC601	AC09-00091A	IC-MCU,784528GF-A05-38A,N120-A05-38A,	SV-637F/637B/637C/637D	
IC601	AC09-00108A	IC-MICROM,UPD784527GF-54-38A,784527GF-1		
IC602	1003-001162	IC-MOTOR DRIVER,KA3082,SIP,10PIN,25MLD		
IC604	AC14-12006C	IC,KA7533,DIP-		
IC605	1103-001150	IC-EEPROM,24C081,8KBIT,DIP8,300ML,10M		
IC605	1103-001116	IC-EEPROM,24C16,2KBIT,DIP8,300ML,10M	SV-637F/637B/637C/637D	
IC608	1203-000515	IC-VOL DETECTOR,7042,TO-92,3P,177ML,PL		
L601	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x8.8mm		
L603	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x8.8mm		
L604	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x8.8mm		
L605	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x8.8mm		
LD601	0601-000517	LED-RECTANGULAR,A46,0mm,75mW,BV,950		
PT601	0604-001122	PHOTO-INTERRUPTER,TO,0.065,150mW,DIP-4,		
PT602	0604-001122	PHOTO-INTERRUPTER,TO,0.065,150mW,DIP-4,		
Q602	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T		
R602	2001-000281	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM	F AREA ONLY	
R603	2001-000281	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM	F AREA ONLY	
R604	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R605	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R606	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R609	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R613	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R614	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM		
R642	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM		
R644	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R650	2003-000259	R-METAL OXIDE,3.90HM,5%,2W,AE,TP,6X16MM		
R651	2001-000010	R-CARBON,68KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R652	2001-000568	R-CARBON,270OHM,5%,1/8W,AA,TP1 8X3 2MM		
R654	2001-000812	R-CARBON,5.6KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R655	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R656	2001-000241	R-CARBON,1.5KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R657	2001-000010	R-CARBON,68KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R660	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R661	2001-000660	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R666	2001-000290	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R667	2001-000290	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R668	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM		
R669	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM		
R670	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R671	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R672	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R673	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R674	2001-000290	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2MM		
R675	2001-000032	R-CARBON,180OHM,5%,1/4W,AA,TP2 4X5 4MM		

R676	2001-000633	R-CARBON,30KOHM,5%,1/8W,AA,TP1 8X3 2MM
R677	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM
R678	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM
R679	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM
R682	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM
R685	2001-000660	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM
R687	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM
R689	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM
R691	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM
R692	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM
R693	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM
R694	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM
R699	2001-000273	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2M
S601	0603-001011	PHOTO-TR,NPN,35V,50mA,75mW,BK
S602	0603-001011	PHOTO-TR,NPN,35V,50mA,75mW,BK
SW601	AC34-20100A	SWITCH-MODE,-X-9-
SW602	AC34-20100B	SWITCH-REC,-X-9-
W167	0401-000101	DIODE SWITCHING,1N4148,100V,200mA,DO-35,
W229	2001-000591	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM
W421	2001-000273	R-CARBON,100KOHM,5%,1/4W,AA,TP2 4X6 4MM
W532	0401-000101	DIODE SWITCHING,1N4148,100V,200mA,DO-35,
XT601	2801-003318	CRYSTAL-UNIT,32.768KHz,20ppm,28-APP,12.5
XT602	2801-003319	CRYSTAL-UNIT,8MHz,50ppm,28-AAA,22pf,80uh
AUDIO/VIDEO PAERS		
C301	2401-0001919	C-AL,2.2UF,20%,50V,TP,4X7MM,5
C302	2301-000283	C-FILM,PEF,47nf,5%,100V,TP7,3X7X3,2X5.5
C303	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C304	2202-000216	C-CERAMIC,MLC-AXIAL,0.22NF,5%,50V,SL,TP
C305	2202-000164	C-CERAMIC,MLC-AXIAL,10NF,10%,50V,Y5P,TP
C306	2202-000231	C-CERAMIC,MLC-AXIAL,330pf,10%,50V,Y5P,TP
C307	2202-000162	C-CERAMIC,MLC-AXIAL,0.15NF,5%,50V,SL,TP
C308	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C309	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C310	2401-000414	C-AL,10uf,20%,16V,GP,TP4x7.5
C311	2401-000918	C-AL,22uf,20%,16V,GP,6.3x7.5
C312	2202-000121	C-CERAMIC,MLC-AXIAL,100pf,10%,50V,Y5P,TP
C313	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,Y5P,TP1
C314	2401-001775	C-AL,47nf,20%,50V,GP,TP4x7.5
C315	2401-000414	C-AL,10uf,20%,16V,GP,TP4x7.5
C316	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V
C318	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V
C320	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C321	2401-000414	C-AL,10uf,20%,16V,GP,TP4x7.5
C322	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C323	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C324	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C325	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C326	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V
C327	2401-003107	C-AL,47uf,20%,16V,GP,TP5x7.5
C328	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C329	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C330	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C331	2401-003107	C-AL,47uf,20%,16V,GP,TP5x7.5
C332	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V
C333	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C334	2202-002055	C-CERAMIC,MLC-AXIAL,47nf,80-20%,50V,Y5V
C335	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C336	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5
C337	2202-000807	C-CERAMIC,MLC-AXIAL,22nf,80-20%,25V,Y5V
C338	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,Y5S,TP
C339	2202-002055	C-CERAMIC,MLC-AXIAL,47nf,80-20%,50V,Y5V
C340	2202-000807	C-CERAMIC,MLC-AXIAL,22nf,80-20%,25V,Y5V
C341	2401-003107	C-AL,47uf,20%,16V,GP,TP5x7.5
C342	2202-002037	C-CERAMIC,MLC-AXIAL,100nf,80-20%,50V,Y5V
C343	2401-000598	C-AL,1uf,20%,50V,GP,TP4x7.5

Loc.No.	Part No.	Description / Specification	Remark
Q3002	0504-000142	TR-DIGITAL KSR2001,PNP,300MW,4.7K/4.7K,T	A DUB ONLY
Q3003	0504-000119	TR-DIGITAL KSR1004,NPN,300MW,4.7K/4.7K,T	A DUB ONLY
R301	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R302	2001-000429	R-CARBON,1.0KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R303	2001-000258	R-CARBON,1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R304	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R305	2001-000258	R-CARBON,1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R306	2001-000232	R-CARBON,1.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R308	2001-000429	R-CARBON,1.0KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R309	2001-000723	R-CARBON,4.3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R311	2001-000429	R-CARBON,1.0KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R312	2001-000241	R-CARBON,1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R313	2001-000515	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R314	2001-000924	R-CARBON,680OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R315	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R316	2001-000221	R-CARBON,1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R317	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP,1.8X3.2mm	
R318	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP,1.8X3.2mm	
R320	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R321	2001-000009	R-CARBON,20KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R322	2001-000539	R-CARBON,24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R325	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R326	2001-000632	R-CARBON,510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R327	2001-000632	R-CARBON,510OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R328	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R329	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R330	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R331	2001-000515	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R332	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R333	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R334	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R335	2001-000800	R-CARBON,5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R336	2001-000008	R-CARBON,15KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R341	2001-001000	R-CARBON,82KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R342	2001-000812	R-CARBON,5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R344	2001-000969	R-CARBON,75OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3401	2001-000331	R-CARBON,12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	F/AV ONLY
R3404	2001-000241	R-CARBON,1.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3405	2001-000680	R-CARBON,33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3406	2001-000325	R-CARBON,120OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3407	2001-000645	R-CARBON,330OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3408	2001-000331	R-CARBON,12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3409	2001-000812	R-CARBON,5.6KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3410	2001-000429	R-CARBON,1.0KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3411	2001-000258	R-CARBON,1.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3412	2001-000458	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3413	2001-000780	R-CARBON,4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3414	2001-000522	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3416	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3417	2001-000613	R-CARBON,3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3418	2001-000613	R-CARBON,3.9KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3419	2001-000405	R-CARBON,180OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3421	2001-000904	R-CARBON,620OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3422	2001-000006	R-CARBON,2.4KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3423	2001-000800	R-CARBON,5.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3424	2001-000522	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3425	2001-000221	R-CARBON,1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3426	2001-000331	R-CARBON,12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3428	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3430	2001-000454	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3437	2001-000947	R-CARBON,7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3440	2001-000007	R-CARBON,3KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3001	2001-000793	R-CARBON,47OHM,5%,1/8W,AA,TP,1.8X3.2MM	A DUB ONLY
R3002	2001-000522	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	A DUB ONLY
R3003	2001-000745	R-CARBON,4.7OHM,5%,1/8W,AA,TP,1.8X3.2MM	A DUB ONLY
XT301	2801-001397	CRYSTAL UNIT,4.333619MHZ,HC-49U,S 15PPM	

Loc.No.	Part No.	Description / Specification	Remark
RF PARTS			
C402	2202-000807	C-CERAMIC,MLC-AXIAL,22nF,80-20%,25V,Y5V	
C403	2401-002144	C-AL47uF,20%,16V,GP,TP5x11.5	
C404	2401-001085	C-AL330nF,20%,50V,GP,5x3.2MM	
C405	2401-003046	C-AL47uF,20%,50V,WT,TP6.3x11.2.5	
C407	2401-002144	C-AL47uF,20%,16V,GP,TP5x11.5	NON-F AREA ONLY
C410	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
D401	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
L401	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L402	3301-000297	CORE-FERRITE BEAD,AA,3.6x1.2x5.7mm,1400	
R401	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R402	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R403	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R404	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R406	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP,1.8X3.2MM	NON-F AREA ONLY
R407	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	NON-F AREA ONLY
R408	2001-000221	R-CARBON,1.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	NON-F AREA ONLY
TM401	AC40-30072J	TM-BLOCK,TCPL061P008A,181C	SECAM-L,B/G
TM401	AC40-30072E	TM-BLOCK,TCM061P008A,UHF	PAL-I
TM401	AC40-30072H	TM-BLOCK,TCMK061P008A,Hi-Fi	PAL-BG/DK
TM401	AC40-30072A	TM-BLOCK,TCMDG2-103A,PAL-BG,181CH	SV-530K ONLY
ZD401	0403-000390	DIODE-ZENER,UZP338,33V,1.4-34.6V,1W,DO-	
HI-FI PARTS			
C501	2401-000414	C-AL10uF,20%,16V,GP,TP4x7.5	
C502	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
C503	2401-000918	C-AL22uF,20%,16V,GP,8.3x7.5	
C504	2401-002299	C-AL4.7uF,20%,50V,GP,TP5x7.5	
C505	2301-000381	C-FILM,PEF,10nF,5%,50V,TP6.5x5.5x3mm,5m	
C506	2401-000918	C-AL22uF,20%,16V,GP,8.3x7.5	
C507	2401-000918	C-AL22uF,20%,16V,GP,8.3x7.5	
C508	2301-000445	C-FILM,PEF,4.7nF,5%,50V,TP5.5x7x3mm,5mm	
C509	2301-000423	C-FILM,PEF,3.3nF,5%,100V,TP7.10x4.5MM,5	
C510	2401-002144	C-AL47uF,20%,16V,GP,TP4x7.5	
C511	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C512	2202-000863	C-CERAMIC,MLC-AXIAL,560nF,10%,50V,Y5P,TP	
C513	2202-000797	C-CERAMIC,MLC-AXIAL,10nF,30%,16V,Y5S,TP	
C514	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
C515	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
C516	2301-000423	C-FILM,PEF,3.3nF,5%,100V,TP7.10x4.5MM,5	
C517	2301-000445	C-FILM,PEF,4.7nF,5%,50V,TP5.5x7x3mm,5mm	
C518	2401-000918	C-AL22uF,20%,16V,GP,8.3x7.5	
C519	2301-000381	C-FILM,PEF,10nF,5%,50V,TP6.5x5.5x3mm,5m	
C520	2401-002299	C-AL4.7uF,20%,50V,GP,TP5x7.5	
C521	2401-000918	C-AL22uF,20%,16V,GP,8.3x7.5	
C522	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
C523	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C524	2401-002299	C-AL4.7uF,20%,50V,GP,TP5x7.5	
C525	2401-002299	C-AL4.7uF,20%,50V,GP,TP5x7.5	
C526	2401-002165	C-AL100uF,20%,16V,GP,TP6.3x7.5	
C527	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C529	2401-002075	C-AL4.7uF,20%,50V,GP,TP5x11.5	
C530	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
IC501	1204-001479	IC-AUDIO PROCESSOR,LA72634AM,OPF64P,400	
L502	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L503	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
R501	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R502	2001-000947	R-CARBON,7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R503	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R504	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R505	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R506	2001-000947	R-CARBON,7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R507	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	F/AV ONLY
R508	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	F/AV ONLY
R509	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R510	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	

R511	2001-000331	R-CARBON,12KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R512	2001-000680	R-CARBON,33KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R514	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R516	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R517	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R518	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R519	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	F/AV ONLY
R520	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	F/AV ONLY
R521	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R522	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R523	2001-000508	R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R524	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R525	2001-000577	R-CARBON,2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R533	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R540	2001-000786	R-CARBON,43KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R570	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
R571	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	
SECAM PARTS (OPTION)			
CS301	2202-000164	C-CERAMIC,MLC-AXIAL,18nF,10%,50V,Y5P,TP	
CS302	2401-001919	C-AL2.2UF,20%,50V,TP,4X7MM,5	
CS303	2301-000381	C-FILM,PEF,10nF,5%,50V,TP6.5x5.5x3mm,5m	
CS304	2301-000381	C-FILM,PEF,10nF,5%,50V,TP6.5x5.5x3mm,5m	
CS305	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CS306	2202-000791	C-CERAMIC,MLC-AXIAL,150pF,10%,50V,Y5P,TP	
CS307	2401-002144	C-AL47uF,20%,16V,GP,TP5x11.5	
CS308	2202-002037	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CS309	2202-000797	C-CERAMIC,MLC-AXIAL,10nF,30%,16V,Y5S,TP	
CS311	2202-000797	C-CERAMIC,MLC-AXIAL,10nF,30%,16V,Y5S,TP	
CS313	2401-001775	C-AL470nF,20%,50V,GP,TP4x7.5	
CS314	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P,TP	
CS315	2401-000414	C-AL10uF,20%,16V,GP,TP4x7.5	
CS317	2202-000797	C-CERAMIC,MLC-AXIAL,10nF,30%,16V,Y5S,TP	
CS319	2201-000376	C-CERAMIC,DISC,0.22nF,5%,50V,SL,TP6.3x5	
CS320	2301-000224	C-FILM,PEF,22nF,5%,50V,TP7.4x3.9x13mm,5	
CS321	2401-000598	C-AL1uF,20%,50V,GP,TP4x7.5	
CS322	2202-000797	C-CERAMIC,MLC-AXIAL,10nF,30%,16V,Y5S,TP	
CS323	2001-000941	C-CERAMIC,DISC,51pF,5%,50V,SL,TP5x3.5	
CS325	2202-000797	C-CERAMIC,MLC-AXIAL,100pF,5%,50V,Y5P,TP3	
CS326	2001-000681	C-CERAMIC,DISC,0.02nF,5%,50V,SL,TP5x3.5	
CS327	2202-000825	C-CERAMIC,MLC-AXIAL,680pF,10%,50V,Y5P,TP	
DS302	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
IC3501	1204-001437	IC-CHROMAL,LA7359,DP,28P,400ML,PLASTIC	
L3501	2702-000106	INDUCTOR-RADIAL,100uH,10%,6.2x7.4mm	
L3502	2702-000179	INDUCTOR-RADIAL,6.8uH,5%,6.6x4mm	
L3503	2701-000165	INDUCTOR-AXIAL,27uH,5%,2.4x3.4mm	
L3504	2701-000195	INDUCTOR-AXIAL,47uH,5%,2.4x3.4mm	
L3505	2701-000160	INDUCTOR-AXIAL,22uH,5%,2.4x3.4mm	
OS301	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
OS302	0501-000398	TR-SMALL SIGNAL,KSC345,NPN,250mW,TO-92,T	
OS303	0504-000142	TR-DIGITAL,KSR2001,PNP,300MW,4.7K/4.7K,T	
OS304	0501-000398	TR-SMALL SIGNAL,KSC345,NPN,250mW,TO-92,T	
OS305	0501-000398	TR-SMALL SIGNAL,KSC345,NPN,250mW,TO-92,T	
R3501	2001-000539	R-CARBON,24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3502	2001-000977	R-CARBON,8.2KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3503	2001-001015	R-CARBON,9.1KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3504	2001-000539	R-CARBON,24KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3505	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3511	2001-000837	R-CARBON,51KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3512	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3513	2001-000633	R-CARBON,30KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3514	2001-000890	R-CARBON,6.8KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3515	2001-000947	R-CARBON,7.5KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3516	2001-000472	R-CARBON,2.7KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3517	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP,1.8X3.2MM	
R3520	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP,1.8X3.2MM	

Loc.No	Part No	Description : Specification	Remark
C818	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C819	2401-002165	C-AL,100uF,20%,16V,GP,TP6 3x7.5	
C820	2202-000237	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
C821	2401-001479	C-AL,470uF,20%,10V,GP,TP	
C822	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	
C823	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	
C826	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	
C827	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	
C828	2202-000279	C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP3	
C829	2202-000279	C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP3	
C830	2401-002299	C-AL,4.7uF,20%,50V,GP,TP5x7.5	
C831	2202-000231	C-CERAMIC,MLC-AXIAL,330pF,10%,50V,Y5P,TP	
C832	2401-002299	C-AL,4.7uF,20%,50V,GP,TP5x7.5	
C833	2202-000231	C-CERAMIC,MLC-AXIAL,330pF,10%,50V,Y5P,TP	
C834	2202-000231	C-CERAMIC,MLC-AXIAL,330pF,10%,50V,Y5P,TP	
C837	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P,TP1	
C838	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P,TP1	
C840	2401-001479	C-AL,470uF,20%,10V,GP,TP	
C841	2202-000121	C-CERAMIC,MLC-AXIAL,100pF,10%,50V,Y5P,TP	
D805	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	W/O CANAL
IC801	1205-001484	IC-SWITCH,LA7147M,SOP36PIN,375ML,PLAST	
JC801	3722-001093	JACK-PCA,42P3,81MM,SN,BLU,BULK,20-28	
JC802	AC37-22002E	JACK-PIN,3.5MM,DPAE9634,2P,TR	
L801	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L802	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L803	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L804	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L805	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L806	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L807	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L808	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L809	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L810	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L811	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L812	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	
L813	AC27-92001M	INDUCTOR-70UH-M,RT,BF3565R2F,....	
L814	AC27-92001M	INDUCTOR-70UH-M,RT,BF3565R2F,....	
Q802	0504-000119	TR-DIGITAL,KSR100A,NPN,300MW,4.7K/47K,TQ	W/O CANAL
Q803	0504-000119	TR-DIGITAL,KSR100A,NPN,300MW,4.7K/47K,TQ	W/O CANAL
Q804	0504-000142	TR-DIGITAL,KSR2001,PNP,300MW,4.7K/4.7K,TQ	W/O CANAL
R801	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
R802	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
R803	2001-000116	R-CARBON,820OHM,5%,1/4W,AA,TP2,4X6,4MM	
R805	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R806	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R807	2001-000969	R-CARBON,750HM,5%,1/8W,AA,TP1,8X3,2MM	
R808	2001-000969	R-CARBON,750HM,5%,1/8W,AA,TP1,8X3,2MM	
R809	2001-000969	R-CARBON,750HM,5%,1/8W,AA,TP1,8X3,2MM	
R810	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R811	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R812	2001-000969	R-CARBON,750HM,5%,1/8W,AA,TP1,8X3,2MM	
R813	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R814	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R815	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R816	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R819	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R820	2001-000554	R-CARBON,270OHM,5%,1/8W,AA,TP1,8X3,2MM	
R821	2001-000660	R-CARBON,330OHM,5%,1/8W,AA,TP1,8X3,2MM	
R822	2001-000660	R-CARBON,330OHM,5%,1/8W,AA,TP1,8X3,2MM	
ZD801	0403-000595	DIODE-ZENER,MTZJ6 2.6 2V5 78-6 44V500m	W/O CANAL

FUNCTION PARTS

CN704	3711-004415	CONNECTOR-HEADER,3WALL,11P,1R,2mm,STRAIG	F/V ONLY
D701	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D702	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D703	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	

Loc.No	Part No	Description : Specification	Remark
D704	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D705	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D706	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D707	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D708	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D709	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
L701	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	F/V ONLY
L702	2701-000181	INDUCTOR-AXIAL,33uH,5%,2.4x3.4mm	F/V ONLY
O702	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,TLED-MODULE ONLY	
O703	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,TLED-MODULE ONLY	
O704	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,TLED-MODULE ONLY	
O705	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,TLED-MODULE ONLY	
O706	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,TLED-MODULE ONLY	
R702	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM,LED-MODULE ONLY	
R703	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM,LED-MODULE ONLY	
R704	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM,LED-MODULE ONLY	
R705	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM,LED-MODULE ONLY	
R706	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM,LED-MODULE ONLY	
R727	2001-000008	R-CARBON,15KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R728	2001-000008	R-CARBON,15KOHM,5%,1/8W,AA,TP1,8X3,2MM	
SW701	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW703	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW708	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW708	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW709	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW709	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW710	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW711	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW712	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW713	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW714	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW715	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW716	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW717	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW718	3404-000165	SWITCH-TACT,12V50mA,180gf+-50gf,6x6mm,S	
SW718	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW719	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	
SW719	3404-001076	SWITCH-TACT,12V50mA,16gf+-50gf,6x6mm,SP	

SRC PARTS (OPTION)

C6802	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P,TP1	SRC OPTION
C6803	2401-003107	C-AL,47uF,20%,16V,GP,TP5x7.5	SRC OPTION
C6804	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	SRC OPTION
CN703	3708-000395	CONNECTOR-FPC/PC,PC,8P,1.25MM	SV 637B/637X ONLY
L6801	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	SRC OPTION
O6801	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,T	SRC OPTION
O6803	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,T	SRC OPTION
O6804	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TQ-92,T	SRC OPTION

ASSY-PCB-SUB-A2/NICAM

S.N.A.

CAN01	2202-000848	C-CERAMIC,MLC-AXIAL,1.5NF,30%,50V,Y5S,TP	
CAN02	2401-000414	C-AL,10uF,20%,16V,GP,TP4x7.5	
CAN03	2202-000806	C-CERAMIC,MLC-AXIAL,220pF,10%,50V,Y5P,TP	
CAN04	2401-000661	C-AL,2.2uF,20%,50V,GP,TP5x11.5	
CAN05	2301-000383	C-FILM,PEF,10uF,5%,50V,TP6x7x3.2mm,5mm	
CAN06	2301-000383	C-FILM,PEF,10uF,5%,50V,TP6x7x3.2mm,5mm	
CAN07	2202-000263	C-CERAMIC,MLC-AXIAL,470pF,10%,50V,Y5P,TP	
CAN08	2202-000848	C-CERAMIC,MLC-AXIAL,1.5NF,30%,50V,Y5S,TP	
CAN09	2401-000414	C-AL,10uF,20%,16V,GP,TP4x7.5	
CAN10	2401-000414	C-AL,10uF,20%,16V,GP,TP4x7.5	
CAN11	2401-002062	C-AL,3.3uF,20%,50V,GP,TP5x11.2,5	
CAN12	2202-000237	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CAN13	2202-000237	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CAN14	2401-000414	C-AL,10uF,20%,16V,GP,TP4x7.5	
CAN15	2202-000237	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CAN16	2401-002144	C-AL,47uF,20%,16V,GP,TP5x11.5	

Loc.No	Part No	Description : Specification	Remark
CAN17	2202-000263	C-CERAMIC,MLC-AXIAL,470pF,10%,50V,Y5P,TP	
CAN18	2202-000263	C-CERAMIC,MLC-AXIAL,470pF,10%,50V,Y5P,TP	
CAN19	2202-000279	C-CERAMIC,MLC-AXIAL,47pF,5%,50V,SL,TP3	
CAN21	2201-000269	C-CERAMIC,DISC,1.5pF,0.25pF,50V,NPO,TP4	
CAN22	2201-000269	C-CERAMIC,DISC,1.5pF,0.25pF,50V,NPO,TP4	
CAN23	2401-000598	C-AL,1uF,20%,50V,GP,TP4x7.5	
CAN24	2401-000598	C-AL,1uF,20%,50V,GP,TP4x7.5	
CAN25	2202-000237	C-CERAMIC,MLC-AXIAL,100nF,80-20%,50V,Y5V	
CN4N01	3711-003176	CONNECTOR-HEADER,NOWALL,10P,1R,2.5mm,ANGLE	
D4N01	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D4N02	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
IC4N01	1204-001516	IC-AUDIO PROCESSOR,MSP34170,DIPS2P551M	
L4N01	2701-000188	INDUCTOR-AXIAL,4.7uH,5%,2.4x3.4mm	
L4N02	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
L4N03	2701-000188	INDUCTOR-AXIAL,4.7uH,5%,2.4x3.4mm	
L4N04	3301-000297	CORE-FERRITE BEAD,AA,3.6x1.2x5.7mm,1400	
R4N01	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R4N02	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
R4N03	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
R4N04	2001-000563	R-CARBON,27KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R4N05	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
R4N06	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1,8X3,2MM	
XT4N01	2801-003171	CRYSTAL-UNIT,18.432MHz,20PPM,28-AAAM,4PF	

ASSY-PCB-VFD-AVLINK & SRC

SV 637F ONLY

C702	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C703	2202-000173	C-CERAMIC,MLC-AXIAL,1nF,10%,50V,Y5P,TP1	
C706	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C707	2401-002299	C-AL,4.7uF,20%,50V,GP,TP5x7.5	
C708	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C709	2401-002165	C-AL,100uF,20%,16V,GP,TP6 3x7.5	
C711	2202-000789	C-CERAMIC,MLC-AXIAL,12PF,5%,50V,SL,TP3	
C712	2202-000789	C-CERAMIC,MLC-AXIAL,12PF,5%,50V,SL,TP3	
CN701	3711-001198	CONNECTOR-HEADER,NOWALL,10P,1R,2mm,ANGLE	
CN702	3711-001198	CONNECTOR-HEADER,NOWALL,10P,1R,2mm,ANGLE	
DT701	AC07-20051C	VF-DISPLAY,SVW-07SS27,15SEG,20.5X7.0,SV	
IC701	AC09-00092A	IC-MCU,UPD780232GC-014,8BIT,UPD780232G	
L701	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
LD701	0601-000494	LED-IR,ROUND,5mm,140nmW,SV,940nm	
LD702	0601-000494	LED-IR,ROUND,5mm,140nmW,SV,940nm	
R706	2001-000633	R-CARBON,30KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R708	2001-000563	R-CARBON,27KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R709	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1,8X3,2MM	
R710	2001-000435	R-CARBON,1M0HM,5%,1/8W,AA,TP1,8X3,2MM	
R731	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R732	2001-000110	R-CARBON,100HM,5%,1/4W,AA,TP2,4X6,4MM	
RM701	AC59-60060A	MODULE-REMOCON,GP14281R,SHARP,38KHz,...	
XT701	2801-003139	CRYSTAL-UNIT,8MHz,50ppm,28-AA,22pF,80oh	
ZD701	0403-000509	DIODE-ZENER,MTZJ25 6B 5.6V 45-5 73V500	
ZD702	0403-001141	DIODE-ZENER,MTZJ240 24V23 63-24 85V500	

ASSY-PCB-VFD-AVLINK

SV 637B/637X ONLY

C701	2401-002165	C-AL,100uF,20%,16V,GP,TP6 3x7.5	
C702	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C706	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C707	2401-002299	C-AL,4.7uF,20%,50V,GP,TP5,5x7.5	
C708	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C711	2202-000789	C-CERAMIC,MLC-AXIAL,12PF,5%,50V,SL,TP3	
C712	2202-000789	C-CERAMIC,MLC-AXIAL,12PF,5%,50V,SL,TP3	
CN701	3711-001198	CONNECTOR-HEADER,NOWALL,10P,1R,2mm,ANGLE	
CN702	3711-001198	CONNECTOR-HEADER,NOWALL,10P,1R,2mm,ANGLE	
DT701	AC07-20051C	VF-DISPLAY,SW,07SS27,15SEG,20,5X7.5,0.5V	
IC701	AC09-00092A	IC- MCU,UPD7802C,014 881,UPD7802C/32G	
IC701	2701-000002	INDUCTOR-AXIAL,100uH,10%,4,25 Bnm	
R706	2001-000633	R-CARBON,330KHM,5%,1/8W,AA,1P1 BX3 2MM	
R708	2001-000663	R-CARBON,270KHM,5%,1/8W,AA,1P1 BX3 2MM	

Loc. No.	Part No.	Description - Specification	Remark
Q710	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
Q711	0501-000290	TR-SMALL SIGNAL,KSA643,1PNP,500mW,T0-92	
Q712	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
R707	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R708	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R709	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R710	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R711	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R712	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R713	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R714	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R715	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R716	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R718	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R719	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R721	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1 8X3 2M	
R722	2001-000490	R-CARBON,200OHM,5%,1/8W,AA,TP1 8X3 2MM	
R723	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R724	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R731	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
RM701	ACS9-60060A	MODULE-REMOCON,GPIU281R,SHARP,38KHZ,...	

ASSY-PCB-F/AV-SRC-F/AV-SRC			SV-637F ONLY
C6807	2401-003107	C-AL,47uf,20%,16V,GP,TP5x7.5	
C6808	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C730	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,YSP,TP1	
C731	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,YSP,TP1	
CN705	3710-001564	CONNECTOR-SOCKET,11P1R,2mm,ANGLE,SN	
JC701	AC37-22002G	JACK-PIN,3.2mm,DPSE-9813,3P,13mm,ARREY	
L6802	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
LD6802	0601-001204	LED-IR,ROUND,4.9mm,140mW,SV,940nm,-	
R6804	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
R6810	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
SW706	3404-001008	SWITCH-TACT,12V,20mA,160+-50gf,6x6mm,S	
SW720	3404-001008	SWITCH-TACT,12V,20mA,160+-50,6x7.9x3.5mm	

ASSY-PCB-F/AV-F/AV			SV-637B/637X ONLY
C703	2401-002165	C-AL,100uf,20%,16V,GP,TP6 3x7.5	
C704	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
C717	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,YSP,TP1	
C730	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,YSP,TP1	
C731	2202-000173	C-CERAMIC,MLC-AXIAL,1nf,10%,50V,YSP,TP1	
CN705	3710-001564	CONNECTOR-SOCKET,11P1R,2mm,ANGLE,SN	
CN706	AC39-20817T	LEAD CONNECTOR-ASSY-DPYBNH200-03,YBST20	
JC701	AC37-00006A	JACK-PIN,3.2MM,DPSE-9872,3P,ARREY,10MM	
L702	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
R731	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
RM701	ACS9-60060A	MODULE-REMOCON,GPIU281R,SHARP,38KHZ,...	
SW701	3404-000165	SWITCH-TACT,12V,50mA,160gf+-50gf,6x6mm,S	
SW703	3404-000165	SWITCH-TACT,12V,50mA,160gf+-50gf,6x6mm,S	

ASSY-PCB-F/AV-HIF-F/AV-HIF			S.N.A.
C701	2201-000281	C-CERAMIC,DISC,1nf+-80-20%,50V,YSP,TP5x	
C702	2201-000281	C-CERAMIC,DISC,1nf+-80-20%,50V,YSP,TP5x	
CN705	3710-001564	CONNECTOR-SOCKET,11P1R,2mm,ANGLE,SN	
JC701	AC37-22002G	JACK-PIN,3.2mm,DPSE-9813,3P,13mm,ARREY	
SW706	3404-001008	SWITCH-TACT,12V,20mA,160+-50gf,9x3.5mm	
SW707	3404-001008	SWITCH-TACT,12V,20mA,160+-50gf,9x3.5mm	

ASSY-PCB-SRC-SRC			SV-637B/637X ONLY
C6807	2401-002165	C-AL,100uf,20%,16V,GP,TP6 3x7.5	
C6808	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YSS,TP	
CN6801	3706-001372	CONNECTOR-FPC/PC,7P,8P,1.25MM,ANGLE,SN	
D6801	0401-0000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
L6802	2701-000002	INDUCTOR-AXIAL,100uH,10%,4.2x9.8mm	
LD6802	0601-001204	LED-IR,ROUND,4.9mm,140mW,SV,940nm,-	

Loc. No.	Part No.	Description - Specification	Remark
LD6803	0601-000494	LED-IR,ROUND,5mm,140mW,SV,940nm,-	
LD6804	0601-000494	LED-IR,ROUND,5mm,140mW,SV,940nm,-	
R6804	2001-000362	R-CARBON,750OHM,5%,1/8W,AA,TP1 8X3 2MM	
R6805	2001-000362	R-CARBON,750OHM,5%,1/8W,AA,TP1 8X3 2MM	
R6810	2001-000362	R-CARBON,150OHM,5%,1/8W,AA,TP1 8X3 2MM	
SW714	3404-000165	SWITCH-TACT,12V,50mA,160gf+-50gf,6x6mm,S	
SW715	3404-000165	SWITCH-TACT,12V,50mA,160gf+-50gf,6x6mm,S	
SW716	3404-000165	SWITCH-TACT,12V,50mA,160gf+-50gf,6x6mm,S	

ASSY-PCB-MAIN-MONO			S.N.A.
S.M.P.S. PARTS			
B01SD1	AC27-92001M	INDUCTOR,70UH,M RT BFS3565R2F,....	
B01SR1	3301-000297	CORE-FERRITE BEAD,AA,3.6x1.2x5.7mm,1400,	
B01SS3	AC27-92001M	INDUCTOR,70UH,M RT BFS3565R2F,....	
C1SD03	2201-000612	C-CERAMIC,DISC,2.2nf,20%,400V,Y5U,BK,12	
C1SD04	2201-000612	C-CERAMIC,DISC,2.2nf,20%,400V,Y5U,BK,12	
C1SD11	2401-003302	C-AL,47uf,20%,400V,GP,TP18X31.5,7	
C1SD12	2201-000445	C-CERAMIC,DISC,3.3nf,20%,400V,Y5P,TP,1	
C1SD13	2301-000361	C-FILM,PEF,1.2nf,10%,50V,TP,5mm	
C1SR12	2401-000905	C-AL,22UF,20%,16V,BP,6X11.2,5MM	
C1SR14	2301-000445	C-FILM,PEF,4.7nf,5%,50V,TP,5 5x7x3mm,5mm	
C1SS01	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP,17.5x7x13	
C1SS02	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP,17.5x7x13	
C1SS12	2201-000129	C-CERAMIC,DISC,0.1nf,10%,14V,Y5P,TP7x4	
C1SS31	2401-000385	C-AL,10uf,20%,100V,GP,TP6 3x11.5	
C1SS33	2401-003477	C-AL,330UF,20%,25V,LZ,TP,10X12.5MM	
C1SS34	2401-003478	C-AL,100UF,20%,25V,LZ,TP,8X11.5MM,5	
C1SS35	2401-003480	C-AL,1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	2401-001479	C-AL,470uf,20%,10V,GP,TP	
C1SS39	2301-000129	C-FILM,PEF,100nf,5%,50V,TP,10X9X4.3X5.5m	
CN1SS1	3711-000178	CONNECTOR-HEADER,1WALL,2P,1R,3.96mm,STRA	
D1SD11	0402-001195	DIODE-RECTIFIER,F1T4,400V,1,0A,TS-1,TP	
D1SD31	0402-001195	DIODE-RECTIFIER,F1T4,400V,1,0A,TS-1,TP	
D1SR11	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D1SD01	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS02	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SD03	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS04	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS11	0402-000276	DIODE-RECTIFIER,U402,1KV,1A,DO-41,TP	
D1SS32	0402-001194	DIODE-RECTIFIER,U620,200V,2A,DO-204C,TP	
D1SS33	0402-000431	DIODE-RECTIFIER,FMLM02S,200V,2.5A,TO-22	
F1SS01	3601-001208	FUSE-CARTRIDGE,250V,1.6A,TIME-LAG,GLASS	
IC1SS1	0604-001028	PHOTO-COUPLER,TR,50-600%,250mW,DIP,4,ST	
IC1SS2	AC14-12060D	IC,KX431Z,TO-92,TAPING	
L1SS01	AC29-30050B	FILTER-LINE NOISE,-,400uH,-,AC250V,TR12	
L1SS02	AC29-30050C	FILTER-LINE NOISE,-,25mH,0.35A,AC250V,BS	
L1SS31	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,-	
L1SS32	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,-	
PT1SS1	AC26-00002A	TRANS SWITCHING,....,DEMKO,-,1.3mH,-	
Q1SR01	0502-001050	TR-POWER,2SC4517A,NPN,30W,TO-220,ST,10-	
Q1SR02	0501-000442	TR-SMALL SIGNAL,KTC3203,NPN,400mW,TO-9	
R1SD11	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD12	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP1 8x3.2mm	
R1SD13	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD14	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD15	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD16	2006-000273	R-CEMENT,27Kohm,5%,2W,CA,BK,6.4x27x6.4m	
R1SD31	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD031	2001-000221	R-CARBON,1.2KOHM,5%,1/8W,AA,TP1 8X3 2M	
R1SR11	2003-000119	R-METAL OXIDE,0.68ohm,5%,2W,AAE,TP,6x16mm	
R1SR12	2003-000264	R-METAL OXIDE,300ohm,5%,1W,AD,TP4 3x12m	
R1SR14	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP1 8x3.2mm	
R1SS10	2006-000262	R-CEMENT,2.7ohm,10%,2W,CB,TP7.5x11x20	
R1SS13	2003-000148	R-METAL OXIDE,100OHM,5%,2W,AE,TP,6X16MM	
R1SS32	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SS33	2004-000869	R-METAL,3Kohm,1%,1/8W,AA,TP1 8x3.2mm	
R1SS34	2004-000459	R-METAL,2.2Kohm,1%,1/8W,AA,TP1 8x3.2m	
VA1SS1	1405-001026	VARIATOR,470V,800A,9x7mm,TP	
ZD1SS1	0403-000571	DIODE-ZENER,U2P43B,43V,40-48V,1W,DO-41,T	

4-2 MONO Models

Loc. No.	Part No.	Description - Specification	Remark
ASSY-PCB-MAIN-MONO			S.N.
S.M.P.S. PARTS			
B01SD1	AC27-92001M	INDUCTOR,70UH,M RT BFS3565R2F,....	
B01SR1	3301-000297	CORE-FERRITE BEAD,AA,3.6x1.2x5.7mm,1400,	
B01SS3	AC27-92001M	INDUCTOR,70UH,M RT BFS3565R2F,....	
C1SD03	2201-000612	C-CERAMIC,DISC,2.2nf,20%,400V,Y5U,BK,12	
C1SD04	2201-000612	C-CERAMIC,DISC,2.2nf,20%,400V,Y5U,BK,12	
C1SD11	2401-003302	C-AL,47uf,20%,400V,GP,TP18X31.5,7	
C1SD12	2201-000445	C-CERAMIC,DISC,3.3nf,20%,400V,Y5P,TP,1	
C1SD13	2301-000361	C-FILM,PEF,1.2nf,10%,50V,TP,5mm	
C1SR12	2401-000905	C-AL,22UF,20%,16V,BP,6X11.2,5MM	
C1SR14	2301-000445	C-FILM,PEF,4.7nf,5%,50V,TP,5 5x7x3mm,5mm	
C1SS01	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP,17.5x7x13	
C1SS02	2305-001021	C-FILM,MPEF,100nf,20%,275V,TP,17.5x7x13	
C1SS12	2201-000129	C-CERAMIC,DISC,0.1nf,10%,14V,Y5P,TP7x4	
C1SS31	2401-000385	C-AL,10uf,20%,100V,GP,TP6 3x11.5	
C1SS33	2401-003477	C-AL,330UF,20%,25V,LZ,TP,10X12.5MM,	
C1SS34	2401-003478	C-AL,100UF,20%,25V,LZ,TP,8X11.5MM,5	
C1SS35	2401-003480	C-AL,1000UF,20%,10V,LZ,TP,10X16MM,5	
C1SS36	2401-001479	C-AL,470uf,20%,10V,GP,TP	
C1SS39	2301-000129	C-FILM,PEF,100nf,5%,50V,TP,10X9X4.3X5.5m	
CN1SS1	3711-000178	CONNECTOR-HEADER,1WALL,2P,1R,3.96mm,STRA	
D1SD11	0402-001195	DIODE-RECTIFIER,F1T4,400V,1,0A,TS-1,TP	
D1SD31	0402-001195	DIODE-RECTIFIER,F1T4,400V,1,0A,TS-1,TP	
D1SR11	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D1SD01	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS02	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SD03	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS04	0402-001196	DIODE-RECTIFIER,1T5,600V,1A,TS-1,TP	
D1SS11	0402-000276	DIODE-RECTIFIER,U4002,1KV,1A,DO-41,TP	
D1SS32	0402-001194	DIODE-RECTIFIER,U620,200V,2A,DO-204C,TP	
D1SS33	0402-000431	DIODE-RECTIFIER,FMLM02S,200V,2.5A,TO-220	
F1SS01	3601-001208	FUSE-CARTRIDGE,250V,1.6A,TIME-LAG,GLASS	
IC1SS1	0604-001028	PHOTO-COUPLER,TR,50-600%,250mW,DIP,4,ST	
IC1SS2	AC14-12060D	IC,KX431Z,TO-92,TAPING	
L1SS01	AC29-30050B	FILTER-LINE NOISE,-,400uH,-,AC250V,TR12	
L1SS02	AC29-30050C	FILTER-LINE NOISE,-,25mH,0.35A,AC250V,BS	
L1SS31	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,-	
L1SS32	AC27-12001N	COIL-CHOKE,10UH-15%,RA,K-30,080,150KHZ,-	
PT1SS1	AC26-00002A	TRANS SWITCHING,....,DEMCO,-,1.3mH,-	
Q1SR01	0502-001050	TR-POWER,2SC4517A,NPN,30W,TO-220,ST,10-	
Q1SR02	0501-000442	TR-SMALL SIGNAL,KTC3203,NPN,400mW,TO-9	
R1SD11	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD12	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP1 8x3.2mm	
R1SD13	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD14	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD15	2001-000305	R-CARBON,110KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD16	2006-000273	R-CEMENT,27Kohm,5%,2W,CA,BK,6.4x27x6.4m	
R1SD31	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SD031	2001-000221	R-CARBON,1.2KOHM,5%,1/8W,AA,TP1 8X3 2M	
R1SR11	2003-000119	R-METAL OXIDE,0.68ohm,5%,2W,AAE,TP,6x16mm	
R1SR12	2003-000264	R-METAL OXIDE,300ohm,5%,1W,AD,TP4 3x12m	
R1SR14	2001-000003	R-CARBON,330ohm,5%,1/8W,AA,TP1 8x3.2mm	
R1SS10	2006-000262	R-CEMENT,27ohm,10%,2W,CB,TP7.5x11.2	
R1SS13	2003-000148	R-METAL OXIDE,100OHM,5%,2W,AAE,TP6X16MM	
R1SS32	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R1SS33	2004-000869	R-METAL,3kohm,1%,1/8W,AA,TP1 8x3.2mm	
R1SS34	2004-000459	R-METAL,2.2kohm,1%,1/8W,AA,TP1 8x3.2m	
VA1SS1	1405-001026	VARISTOR,47V,600A,9mm,7mm,	
Z01SS1	0403-000571	DIODE-ZENER,U2748,43V,40-45V,1W,DO,41,T	

Loc.No	Part No	Description / Specification	Remark
C636	2202-000183	C-CERAMIC,MLC-AXIAL 2 2NF,20%,16V,YSR,TP	
C637	2202-000263	C-CERAMIC,MLC-AXIAL 470pf,10%,50V,YSPT,TP	
C638	2401-000918	C-AL 22uf,20%,16V,GP, 6.3x7.5	
C639	2202-000121	C-CERAMIC,MLC-AXIAL 100pf,10%,50V,YSPT,TP	
C640	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C641	2401-002165	C-AL 100uf,20%,16V,GP,TP 6.3x7.5	
C642	2401-002095	C-AL 47uf,20%,25V,GP,TP 6.3x5.5mm	
C643	2401-002095	C-AL 47uf,20%,25V,GP,TP 6.3x5.5mm	
C645	2401-003107	C-AL 47uf,20%,16V,GP,TP 5x7.5	
C646	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C691	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C692	2301-000471	C-FILM,PEF 88nf,5%,50V,TP 5x12x4.5mm,5mm	
CN601	AC39-208175	LEAD CONNECTOR ASSY,DP,SMH200-02,YBH200-	
CN602	3708-001163	CONNECTOR-PFC/PC,PIC,5P1 25mm,STRAIGHT,	
CN604	3711-003749	CONNECTOR-HEADER BOX,8P,2R,2mm,STRAIGHT,	
D603	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D604	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D605	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
D611	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
D613	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
D620	0402-000127	DIODE-RECTIFIER,1N4002,100V,1A,DO-41,TP	
IC601	AC09-00108A	IC-MICOM,LPD784927GF,154-38A,784927GF-1	
IC602	1003-001162	IC-MOTOR DRIVER,K3A082,SIP,10PIN,25MM,LD	
IC604	AC14-12006C	IC-KA7533-DIP-	
IC605	1103-001150	IC-EEPROM,24C081,8KBIT,DIP8P,300ML,10M	
IC608	1203-000515	IC-VOL DETECTOR,7042,TO-92,3P,17MM,PL	
L601	2701-000002	INDUCTOR-AXIAL,100uH,10%, 4.2x9.8mm	
L603	2701-000002	INDUCTOR-AXIAL,100uH,10%, 4.2x9.8mm	
L604	2701-000002	INDUCTOR-AXIAL,100uH,10%, 4.2x9.8mm	
L605	2701-000002	INDUCTOR-AXIAL,100uH,10%, 4.2x9.8mm	
LD601	0601-000517	LED-IR,RECTANGULAR,4x6.0mm,75mW,BV,950	
PI601	0604-001122	PHOTO-INTERRUPTER,TR,0.065%,150mW,DIP-4,	
PI602	0604-001122	PHOTO-INTERRUPTER,TR,0.065%,150mW,DIP-4,	
Q602	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
R601	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1 8X3 2MM	F AREA ONLY
R603	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1 8X3 2MM	F AREA ONLY
R604	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R605	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R608	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R609	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R613	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R641	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R642	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R644	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R650	2003-000259	R-METAL OXIDE,3.9KOHM,5%,2W,AL,TP6X16MM	
R651	2001-000010	R-CARBON,68KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R652	2001-000568	R-CARBON,270OHM,5%,1/8W,AA,TP1 8X3 2MM	
R654	2001-000812	R-CARBON,5.6KOHM,5%,1/8W,AA,TP1 8X3 2M	
R655	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R656	2001-000241	R-CARBON,1.5KOHM,5%,1/8W,AA,TP1 8X3 2M	
R657	2001-000010	R-CARBON,68KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R660	2001-000786	R-CARBON,47KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R661	2001-000680	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R662	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R666	2001-000598	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R668	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R669	2001-000780	R-CARBON,470OHM,5%,1/8W,AA,TP1 8X3 2MM	
R670	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2M	
R671	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2M	
R672	2001-000734	R-CARBON,4.7KOHM,5%,1/8W,AA,TP1 8X3 2M	
R673	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R674	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R675	2001-000032	R-CARBON,180OHM,5%,1/4W,AA,TP2 4X6 4MM	
R676	2001-000633	R-CARBON,30KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R677	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R678	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM	

Loc.No	Part No	Description / Specification	Remark
R679	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM	
R682	2001-000522	R-CARBON,22KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R685	2001-000680	R-CARBON,33KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R687	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R690	2001-000864	R-CARBON,56KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R691	2001-000515	R-CARBON,220OHM,5%,1/8W,AA,TP1 8X3 2MM	
R692	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R693	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R694	2001-000429	R-CARBON,1KOHM,5%,1/8W,AA,TP1 8X3 2MM	
R699	2001-000273	R-CARBON,100KOHM,5%,1/8W,AA,TP1 8X3 2M	
S601	0603-001011	PHOTO-TR,NPN,35V,6V,50mA,75mW,BK	
S602	0603-001011	PHOTO-TR,NPN,35V,6V,50mA,75mW,BK	
SW601	AC34-20100A	SWITCH-MODE, -,X-9-	
SW602	AC34-20100B	SWITCH-REC, -,X-9-	
W072	2001-000281	R-CARBON,100OHM,5%,1/8W,AA,TP1 8X	W/O CANAL ONLY
W167	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
W421	2001-000027	R-CARBON,100OHM,5%,1/4W,AA,TP2 4X6 4MM	F/AV ONLY
W532	0401-000101	DIODE-RECTIFIER,1N4148,100V,200mA,DO-35,	
XT601	2801-003318	CRYSTAL-UNIT,32.768KHz,20ppm,28-AAP,12.5	
XT602	2801-003339	CRYSTAL-UNIT,8MHz,50ppm,28-AA,22pf,80uh	

AUDIO/VIDEO PARTS

Loc.No	Part No	Description / Specification	Remark
C301	2401-001919	C-AL 2.2uf,20%,50V,TP4X7MM,5	
C302	2301-000283	C-FILM,PEF 47nf,5%,100V,TP7.3X7.3 2X5.5	
C303	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C304	2202-000216	C-CERAMIC,MLC-AXIAL,0.07NF,5%,50V,SL,TP	
C305	2202-000164	C-CERAMIC,MLC-AXIAL,18NF,10%,50V,YSPT,TP	
C306	2202-000231	C-CERAMIC,MLC-AXIAL,330pf,10%,50V,YSPT,TP	
C307	2202-000162	C-CERAMIC,MLC-AXIAL,015NF,5%,50V,SL,TP	
C308	2202-000797	C-CERAMIC,MLC-AXIAL,10NF,30%,16V,YS,TP	
C309	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C310	2401-000414	C-AL 10uf,20%,16V,GP,TP4x7.5	
C311	2401-000918	C-AL 22uf,20%,16V,GP, 6.3x7.5	
C312	2202-000121	C-CERAMIC,MLC-AXIAL 100pf,10%,50V,YSPT,TP	F/AV ONLY
C313	2202-000173	C-CERAMIC,MLC-AXIAL 1nf,10%,50V,YSPT,TP1	
C314	2401-001775	C-AL 470uf,20%,50V,GP,TP4x7.5	
C315	2401-000414	C-AL 10uf,20%,16V,GP,TP4x7.5	
C316	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C318	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C320	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C321	2401-000414	C-AL 10uf,20%,16V,GP,TP4x7.5	
C322	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C323	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C324	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C325	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C326	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C327	2401-003107	C-AL 47uf,20%,16V,GP,TP5x7.5	
C328	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C329	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C330	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C331	2401-003107	C-AL 47uf,20%,16V,GP,TP5x7.5	
C332	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C333	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C334	2202-002055	C-CERAMIC,MLC-AXIAL 10nf,80-20%,50V,YSV	
C335	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C336	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C337	2202-000807	C-CERAMIC,MLC-AXIAL 22nf,80-20%,25V,YSV	
C338	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C339	2202-002055	C-CERAMIC,MLC-AXIAL 47nf,80-20%,50V,YSV	
C340	2202-000807	C-CERAMIC,MLC-AXIAL 22nf,80-20%,25V,YSV	
C341	2401-003107	C-AL 47uf,20%,16V,GP,TP5x7.5	
C342	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C343	2401-000598	C-AL 1uf,20%,50V,GP,TP4x7.5	
C345	2201-002031	C-CERAMIC,DISC,0.005nf,0.5pf,50V,NPO,TP	
C346	2401-003107	C-AL 47uf,20%,16V,GP,TP5x7.5	
C347	2202-000286	C-CERAMIC,MLC-AXIAL 56pf,5%,50V,SL,TP1	

Loc.No	Part No	Description / Specification	Remark
C348	2202-000286	C-CERAMIC,MLC-AXIAL 56pf,5%,50V,SL,TP1	
C349	2202-000849	C-CERAMIC,MLC-AXIAL 18pf,5%,50V,CH,TP3	
C350	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	F/AV ONLY
C360	2401-000414	C-AL 10uf,20%,16V,GP,TP4x7.5	
C380	2202-000243	C-CERAMIC,MLC-AXIAL 33pf,5%,50V,SL,TP3	
C381	2202-000797	C-CERAMIC,MLC-AXIAL 10NF,30%,16V,YS,TP	
C390	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C399	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C3A01	2401-003122	C-AL 4.7uf,20%,50V,LL,TP4X7.1 5	
C3A02	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C3A04	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C3A07	2301-000392	C-FILM,PEF 15nf,5%,50V,TP 5x8 5x3 2mm,	
C3A08	2301-001014	C-FILM,PEF 8.8nf,5%,50V,TP7.3x6 5mm	
C3A09	2301-001014	C-FILM,PEF 8.8nf,5%,50V,TP7.3x6 5mm	
C3A10	2301-000314	C-FILM,PEF 8.8nf,5%,50V,TP 5x3 0x5 5mm	
C3A11	2301-000253	C-FILM,PEF 39NF,5%,100V,TP7.5X4 5X12 5M	
C3A12	2401-003107	C-AL 47uf,20%,16V,GP,TP5x7.5	
C3A13	2301-000161	C-FILM,PEF 12nf,5%,50V,TP 6.5x5 5X3 OXS,	
C3A14	2301-001014	C-FILM,PEF 8.8nf,5%,50V,TP7.3x6 5mm	
C3A15	2301-000381	C-FILM,PEF 10nf,5%,50V,TP 5x5 5x3mm,5m	
C3A16	2401-002299	C-AL 4.7uf,20%,50V,GP,TP5x7.5	
C3A17	2401-000918	C-AL 22uf,20%,16V,GP, 6.3x7.5	
C3A18	2301-000402	C-FILM,PEF 1nf,5%,50V,TP5x7x2 8mm,5mm	
C3A21	2301-000008	C-FILM,PEF 2.2nf,5%,50V,TP5.5X7.3 5mm	
C3A22	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	W/O CANAL ONLY
C3A23	2401-002068	C-AL 33uf,20%,16V,GP,TP5x11.5	
C3A24	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C3A25	2401-000918	C-AL 22uf,20%,16V,GP, 6.3x7.5	
C3A29	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	
C3A30	2401-002144	C-AL 47uf,20%,16V,GP,TP5x11.5	
C3A31	2202-002037	C-CERAMIC,MLC-AXIAL 100nf,80-20%,50V,YSV	F/AV ONLY
C529	2401-002075	C-AL 4.7uf,20%,50V,GP,TP5x11.5	
R3A01	3708-000395	CONNECTOR-PC/PC,PIC,8P1 25mm,STRAIGHT,	
R3A02	3708-001302	CONNECTOR-PC/PC,PIC,7P1 25mm,STRAIGHT,	
R3A03	3711-002445	CONNECTOR-HEADER BOX,2P,2R,1.5MM,STRAIGH	
D302	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35,	
IC3A01	AC27-80100A	COL. OSC, 1260N-K5272YHCA, -AM	
IC3A02	1204-001649	IC-VIDEO PROCESSOR,LA71588H,OPF,100P,PLA	
L301	2701-000206	INDUCTOR-AXIAL,50uH,5%, 2.4x3 4mm	
L302	2702-000106	INDUCTOR-RADIAL,100uH,10%, 6.2x7 4mm	
L304	2702-000106	INDUCTOR-RADIAL,100uH,10%, 6.2x7 4mm	
L305	2702-000106	INDUCTOR-RADIAL,100uH,10%, 6.2x7 4mm	
L306	2701-000119	INDUCTOR-AXIAL,120uH,5%, 2.4x3 4mm	
L310	2702-000106	INDUCTOR-RADIAL,100uH,10%, 6.2x7 4mm	
L3A01	2702-000120	INDUCTOR-RADIAL,15mH,5%, 6.2x7 4mm	
L3A02	2701-000002	INDUCTOR-AXIAL,100uH,10%, 4.2x9 8mm	
L3A03	2702-000106	INDUCTOR-RADIAL,100uH,10%, 6.2x7 4mm	
Q302	0501-000303	TR-SMALL SIGNAL,KSAT733,PNP,250mW,TO-92,T	
Q303	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q304	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q307	0504-000119	TR-DIGITAL,KSR1004,NPN,300mW,47K,47,TO-	2HD LP
Q308	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q309	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Q3A01	0501-000303	TR-SMALL SIGNAL,KSAT733,PNP,250mW,TO-92,T	
Q3A03	0501-000442	TR-SMALL SIGNAL,KTC203,YNPN,400mW,TO-9	
Q3A04	0501-000442	TR-SMALL SIGNAL,KTC203,YNPN,400mW,TO-9	
Q3A05	0501-000442	TR-SMALL SIGNAL,KTC203,YNPN,400mW,TO-9	
Q3A06	0501-000303	TR-SMALL SIGNAL,KSAT733,PNP,250mW,TO-92,T	

Loc.No.	Part No.	Description : Specification	Remark
C407	2401-002144	C-AL 47uF 20%, 16V/GTP5x11.5	F AREA OPTION
C410	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
D401	0402-000127	DIODE-RECTIFIER,1N4002 100V 1A,DO-41	
L401	2701-000002	INDUCTOR-AXIAL 100uH,10%, 4.2x9.8mm	
R401	2001-000786	R-CARBON 420KHM,5%, 1/8W,AA,TP1 8X3 2MM	
R402	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	
R403	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	
R404	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	
R406	2001-000449	R-CARBON 2.2KOHM,5%, 1/8W,AA,TP1 8X3 2M	F AREA OPTION
R407	2001-000116	R-CARBON 8200HM,5%, 1/4W,AA,TP2 4X6 4MM	F AREA OPTION
R408	2001-000221	R-CARBON 1.2KOHM,5%, 1/8W,AA,TP1 8X3 2M	F AREA OPTION
TM401	AC40-30072J	TM-BLOCK,TCP0601P008A,181C	SECAM-L,B/G
TM401	AC40-30072E	TM-BLOCK,TCM0610P008A,UHF	PAL-I
TM401	AC40-30072A	TM-BLOCK,TMD67-103A,1R1CH	PAL-BG
TM401	AC40-30072D	TM-BLOCK,TCM0600P008A,181C	PAL-BG/D/K
Z0401	0403-000390	DIODE-ZENER,U27P338,33V,31 4-34 6V,1W,DO	

SECAM PARTS (OPTION)

C3501	2202-000164	C-CERAMIC,MLC-AXIAL, 18NF 10%, 50V YSP1P	
C3502	2401-001919	C-AL 2.2UF 20%, 50V, TP47MM,5	
C3503	2301-000381	C-FILM PEF,10nf 5%, 50V,TP6 5x5 5.3mm,5m	
C3504	2301-000381	C-FILM PEF,10nf 5%, 50V,TP6 5x5 5.3mm,5m	
C3505	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
C3506	2202-000791	C-CERAMIC,MLC-AXIAL 150nf 10%, 50V YSP1P	
C3507	2401-002144	C-AL 47uF 20%, 16V/GTP5x11.5	
C3508	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
C3509	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	
C3511	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	
C3513	2401-001775	C-AL 470nf 20%, 50V/GTP4x7.5	
C3514	2202-000773	C-CERAMIC,MLC-AXIAL 1nf 10%, 50V YSP1P	
C3515	2401-000414	C-AL 10uF 20%, 16V/GTP4x7.5	
C3517	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	
C3519	2201-000376	C-CERAMIC,DISC,D 22nf 5%, 50V,SL,TP6 3x3	
C3520	2301-000224	C-FILM PEF 22nf 5%, 50V,TP1 4x3 9x13mm,5	
C3521	2401-000598	C-AL 1uF 20%, 50V/GTP4x7.5	
C3522	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	
C3523	2201-000941	C-CERAMIC,DISC,S1pf 5%, 50V,SL,TP5x3.5	
C3525	2202-000787	C-CERAMIC,MLC-AXIAL 10pf 5%, 50V YSP1P3	
C3526	2001-000681	C-CERAMIC,DISC,D 0.082nf 5%, 50V,SL,TP5x3	
C3527	2202-000825	C-CERAMIC,MLC-AXIAL 880pf 10%, 50V YSP1P	
D3502	0401-001011	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
IC3501	1204-001437	IC-CHROMA,LA7359,DIP28P,400MIL,PLASTIC	
LS301	2702-000106	INDUCTOR-RADIAL 100uH,10%, 6.2x7.4mm	
LS302	2702-000179	INDUCTOR-RADIAL 6.8uH,5%, 6x5.4mm	
LS303	2701-000165	INDUCTOR-AXIAL 27uH,5%, 2.4x3.4mm	
LS304	2701-000195	INDUCTOR-AXIAL 47uH,5%, 2.4x3.4mm	
LS305	2701-000160	INDUCTOR-AXIAL 22uH,5%, 2.4x3.4mm	
OS301	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
OS302	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
OS303	0504-000142	TR-DIGITAL,KSR2001,PNP,300mW,4.7K/4.7K,T	
OS304	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
OS305	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
RS301	2001-000539	R-CARBON 24KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS302	2001-000977	R-CARBON 8.2KOHM,5%, 1/8W,AA,TP1 8X3 2M	
RS303	2001-001015	R-CARBON 9.1KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS304	2001-000539	R-CARBON 24KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS305	2001-000786	R-CARBON 47KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS311	2001-000837	R-CARBON 51KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS312	2001-000734	R-CARBON 4.7KOHM,5%, 1/8W,AA,TP1 8X3 2M	
RS313	2001-000633	R-CARBON 30KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS314	2001-000890	R-CARBON 6.8KOHM,5%, 1/8W,AA,TP1 8X3 2M	
RS315	2001-000947	R-CARBON 7.5KOHM,5%, 1/8W,AA,TP1 8X3 2M	
RS316	2001-000472	R-CARBON 2.7KOHM,5%, 1/8W,AA,TP1 8X3 2M	
RS317	2001-000522	R-CARBON 22KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RS320	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	
RS321	2001-000674	R-CARBON 3600HM,5%, 1/8W,AA,TP1 8X3 2MM	

Loc.No.	Part No.	Description : Specification	Remark
R3522	2001-000429	R-CARBON 1KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
R3523	2001-000539	R-CARBON 24KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
R3524	2001-000356	R-CARBON 150KOHM,5%, 1/8W,AA,TP1 8X3 2M	
R3525	2001-000258	R-CARBON 1.8KOHM,5%, 1/8W,AA,TP1 8X3 2M	
R3526	2001-000290	R-CARBON 10KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
R3527	2001-000319	R-CARBON 120KOHM,5%, 1/8W,AA,TP1 8X3 2M	

OSD/VPS/PDC PARTS

CGP01	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	
CGP02	2401-002144	C-AL 47uF 20%, 16V/GTP5x11.5	
CGP03	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
CGP04	2202-000216	C-CERAMIC,MLC-AXIAL 0.27nf 5%, 50V,SL,TP	
CGP05	2202-000216	C-CERAMIC,MLC-AXIAL 0.27nf 5%, 50V,SL,TP	
CGP06	2301-000402	C-FILM PEF,1nf 5%, 50V,TP5x7.8mm,5mm	VPS/PDC ONLY
CGP07	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	VPS/PDC ONLY
CGP08	2202-000286	C-CERAMIC,MLC-AXIAL 56pf 5%, 50V,SL,TP1	
CGP09	2202-000145	C-CERAMIC,MLC-AXIAL 12NF 10%, 50V YSP1P	OSD ONLY
CGP10	2401-000598	C-AL 1uF 20%, 50V/GTP4x7.5	
CGP11	2401-000598	C-AL 1uF 20%, 50V/GTP4x7.5	
CGP12	2401-002144	C-AL 47uF 20%, 16V/GTP5x11.5	
CGP13	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
CGP14	2202-000279	C-CERAMIC,MLC-AXIAL 47pf 5%, 50V,SL,TP3	
ICG01	AC09-00077A	IC-OSD,LC74758JM-9778,LC74758JM-9778	OSD ONLY
ICG01	AC09-00081A	IC-OSD,LC74758JM-9788,LC74758JM-9788	VPS/PDC 128 FONT
LG01	2701-000160	INDUCTOR-AXIAL 22uH,5%, 2.4x3.4mm	
LG04	2701-000201	INDUCTOR-AXIAL 5.6uH,5%, 2.4x3.4mm	
LG05	2701-000165	INDUCTOR-AXIAL 27uH,5%, 2.4x3.4mm	
OP01	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
OP02	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
OP03	0501-000303	TR-SMALL SIGNAL,KSA733,PNP,250mW,TO-92,T	
RP01	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	VPS/PDC ONLY
RP02	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	VPS/PDC ONLY
RP03	2001-000472	R-CARBON 2.7KOHM,5%, 1/8W,AA,TP1 8X3 2MM	VPS/PDC ONLY
RP04	2001-000290	R-CARBON 10KOHM,5%, 1/8W,AA,TP1 8X3 2MM	VPS/PDC ONLY
RP05	2001-000290	R-CARBON 10KOHM,5%, 1/8W,AA,TP1 8X3 2MM	VPS/PDC ONLY
RP06	2001-000812	R-CARBON 5.6KOHM,5%, 1/8W,AA,TP1 8X3 2M	VPS/PDC ONLY
RP07	2001-000490	R-CARBON 2000HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL OPTION
RP07	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL OPTION
RP08	2001-000005	R-CARBON 390ohm,5%, 1/8W,AA,TP1 8X3 2mm	
RP09	2001-000449	R-CARBON 2.2KOHM,5%, 1/8W,AA,TP1 8X3 2MM	
RP09	3811-000389	WIRE-NO SHEATH,CU,SPCW,300V/S2 4mm,1/0.5	VPS/PDC ONLY
RP10	2001-000515	R-CARBON 2200HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RP11	2001-000005	R-CARBON 390ohm,5%, 1/8W,AA,TP1 8X3 2mm	

INPUT-OUTPUT PARTS

CB01	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB03	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB05	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB07	2401-000414	C-AL 10uF 20%, 16V/GTP4x7.5	CANAL ONLY
CB08	2401-000414	C-AL 10uF 20%, 16V/GTP4x7.5	CANAL ONLY
CB09	2401-001919	C-AL 2.2UF 20%, 50V, TP47MM,5	CANAL ONLY
CB10	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB14	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB15	2401-002075	C-AL 4.7uF 20%, 50V/GTP5x11.5	CANAL ONLY
CB16	2401-000414	C-AL 10uF 20%, 16V/GTP4x7.5	F AREA OPTION
CB17	2401-001074	C-AL 330NF 20%, 50V/GTP4x5.2 5MM	F AREA OPTION
CB18	2401-002144	C-AL 47uF 20%, 16V/GTP4x7.5	CANAL ONLY
CB18	2202-000797	C-CERAMIC,MLC-AXIAL 10nf 30%, 16V YSS,TP	CANAL ONLY
CB19	2401-002165	C-AL 100uF 20%, 16V/GTP6 3x7.5	CANAL ONLY
CB20	2202-002037	C-CERAMIC,MLC-AXIAL 100nf 80-20%, 50V YSP	
CB21	2401-001479	C-AL 470uF 20%, 10V,GP,--TP	
CB22	2202-000121	C-CERAMIC,MLC-AXIAL 100pf 10%, 50V YSP1P	CANAL ONLY
CB23	2202-000121	C-CERAMIC,MLC-AXIAL 100pf 10%, 50V YSP1P	CANAL ONLY
CB26	2202-000121	C-CERAMIC,MLC-AXIAL 100pf 10%, 50V YSP1P	CANAL ONLY
CB27	2202-000121	C-CERAMIC,MLC-AXIAL 100pf 10%, 50V YSP1P	CANAL ONLY
CB28	2202-000729	C-CERAMIC,MLC-AXIAL 47pf 5%, 50V,SL,TP3	

C829	2202-000279	C-CERAMIC,MLC-AXIAL 47pf 5%, 50V,SL,TP3	
C830	2401-000229	C-AL 4.7uF 20%, 50V/GTP5x11.5	
C831	2202-000231	C-CERAMIC,MLC-AXIAL 330pf 10%, 50V YSP1P	
C834	2202-000231	C-CERAMIC,MLC-AXIAL 330pf 10%, 50V YSP1P	CANAL ONLY
C837	2202-000173	C-CERAMIC,MLC-AXIAL 1nf 10%, 50V YSP1P	
C840	2401-001479	C-AL 470uF 20%, 10V,GP,--TP	CANAL ONLY
C841	2202-000121	C-CERAMIC,MLC-AXIAL 100pf 10%, 50V YSP1P	W/O CANAL ONLY
D805	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
IC801	1205-001484	IC SWITCH,LA7147M,SOP36PIN,375MIL,PLAST	CANAL ONLY
JC801	3722-001093	JACK-RC4,42P3 81MM,SN,BLU/B,K#20-28	2 SCART
JC801	3710-000482	CONNECTOR SOCKET,21P,--ANGLE,SN	1 SCART
L801	2701-000002	INDUCTOR-AXIAL 100uH,10%, 4.2x9.8mm	CANAL ONLY
L802	2701-000002	INDUCTOR-AXIAL 100uH,10%, 4.2x9.8mm	CANAL ONLY
L803	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L804	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L805	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	CANAL ONLY
L806	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	CANAL ONLY
L807	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L808	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L809	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L810	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	
L811	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	2 SCART OPTION
L812	2701-000181	INDUCTOR-AXIAL 33uH,5%, 2.4x3.4mm	2 SCART OPTION
L813	AC27-92001M	INDUCTOR-70UH-M RT BFC5356R2F,----	
L814	AC27-92001M	INDUCTOR-70UH-M RT BFC5356R2F,----	
OB02	0504-000119	TR-DIGITAL,KSR1004,NPN,300mW,47K/47K,T	W/O CANAL ONLY
OB04	0504-000142	TR-DIGITAL,KSR2001,PNP,300mW,4.7K/4.7K,T	W/O CANAL ONLY
RB01	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB02	2001-000281	R-CARBON 1000HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB03	2001-000116	R-CARBON 8200HM,5%, 1/4W,AA,TP2 4X6 4MM	
RB05	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB06	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB07	2001-000969	R-CARBON 750HM,5%, 1/8W,AA,TP1 8X3 2MM	2 SCART OPTION
RB08	2001-000969	R-CARBON 750HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB09	2001-000969	R-CARBON 750HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB10	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	2 SCART OPTION
RB11	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	2 SCART OPTION
RB12	2001-000969	R-CARBON 750HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB13	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB14	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB15	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB16	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	
RB19	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB20	2001-000554	R-CARBON 2700HM,5%, 1/8W,AA,TP1 8X3 2MM	CANAL ONLY
RB21	2001-000660	R-CARBON 33KOHM,5%, 1/8W,AA,TP1 8X3 2MM	2 SCART OPTION
RB22	2001-000522	R-CARBON 22KOHM,5%, 1/8W,AA,TP1 8X3 2MM	2 SCART OPTION

FUNCTION PARTS

CN704	3711-004415	CONNECTOR-HEADER,3WALL,11P,1R,2mm,STRAIG	F/V ON
D701	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D702	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D703	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D704	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D705	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D706	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D707	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D708	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
D709	0401-000101	DIODE-SWITCHING,1N4148,100V,200mA,DO-35	
L702	2701-000181	INDUCTOR-AXIAL,30uH±5%, 2 A±3 4mm	F/V ON
Z702	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Z703	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Z704	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Z705	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
Z706	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,TO-92,T	
R702	2001-000290	R-CARBON,100KOHM±5%,1/8W,AA TP 1 B3X2MM	
R703	2001-000290	R-CARBON,100KOHM±5%,1/8W,AA TP 1 B3X2MM	

Electrical Parts List

Loc.No.	Part No.	Description, Specification	Remark
LD702	0601-001201	LED,ROUND,RED,3mm,635nm	
LD703	0601-001408	LED,TAPG,...	
LD704	0601-001408	LED,TAPG,...	
LD705	0601-001408	LED,TAPG,...	
LD706	0601-001408	LED,TAPG,...	
LD707	0601-001408	LED,TAPG,...	
LD709	0601-001408	LED,TAPG,...	
LD710	0601-001408	LED,TAPG,...	
LD711	0601-001408	LED,TAPG,...	
Q707	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
Q709	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
Q710	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
Q711	0501-000290	TR-SMALL SIGNAL,KSAB43-Y,NPN,500mW,T0-92	
Q712	0501-000398	TR-SMALL SIGNAL,KSC945,NPN,250mW,T0-92,T	
R707	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R708	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R709	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R710	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R711	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R712	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R713	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R714	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R715	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R716	2001-000780	R-CARBON,4700HM,5%,1/8W,AA,TP1,8X3,2MM	
R718	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R719	2001-000362	R-CARBON,1500HM,5%,1/8W,AA,TP1,8X3,2MM	
R721	2001-000449	R-CARBON,2.2KOHM,5%,1/8W,AA,TP1,8X3,2M	
R722	2001-000490	R-CARBON,2000HM,5%,1/8W,AA,TP1,8X3,2MM	
R723	2001-000780	R-CARBON,4700HM,5%,1/8W,AA,TP1,8X3,2MM	
R724	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
R731	2001-000290	R-CARBON,10KOHM,5%,1/8W,AA,TP1,8X3,2MM	
RM701	ACS9-60060A	MODULE-REMOCION,GP1U281R,SHARP,38KHZ,...	
-	-	ASSY-PCB-F/AV-MONO-F/AV MONO	S.N.A.
CN705	3710-001564	CONNECTOR-SOCKET,11P,1P,2mm,ANGLE,SN	
JC701	AC37-22002J	JACK-PIN,3,2mm,DPSE-9814,2P,13mm,S/W	
SW706	3404-001008	SWITCH-TACT,12V,20mA,160+-50,6x7,9x3,5mm	
SW707	3404-001008	SWITCH-TACT,12V,20mA,160+-50,6x7,9x3,5mm	
FGH			

Loc.No.	Part No.	Description, Specification	Remark
---------	----------	----------------------------	--------

5. Schematic Diagrams

◆ Block Identification of Main PCB	5-2
5-1 S.M.P.S. (Ecology ; SV-637F/637B/637X Only)	5-3
5-2 S.M.P.S. (Non-Ecology)	5-4
5-3 Power Drive (Ecology ; SV-637F/637B/637X Only)	5-5
5-4 Power Drive (Non-Ecology)	5-6
5-5 System Control/Servo	5-7
5-6 Audio/Video	5-8
5-7 Hi-Fi	5-9
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5-9 SECAM	5-11
5-10 A2/NICAM (Option)	5-12
5-11 Input-Output (2 Scart Jack)	5-13
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5-13 OSD/VPS/PDC	5-15
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5-17 LED-Single Dispal	5-19
5-18 Front A/V Jack/SRC	5-20
5-19 Remote-Control (Multi-TV)	5-21
5-20 Remote-Control (VCR Only)	5-22

Note

For schematic Diagram

- Resistors are in ohms, 1/8W unless otherwise noted.

Special note :

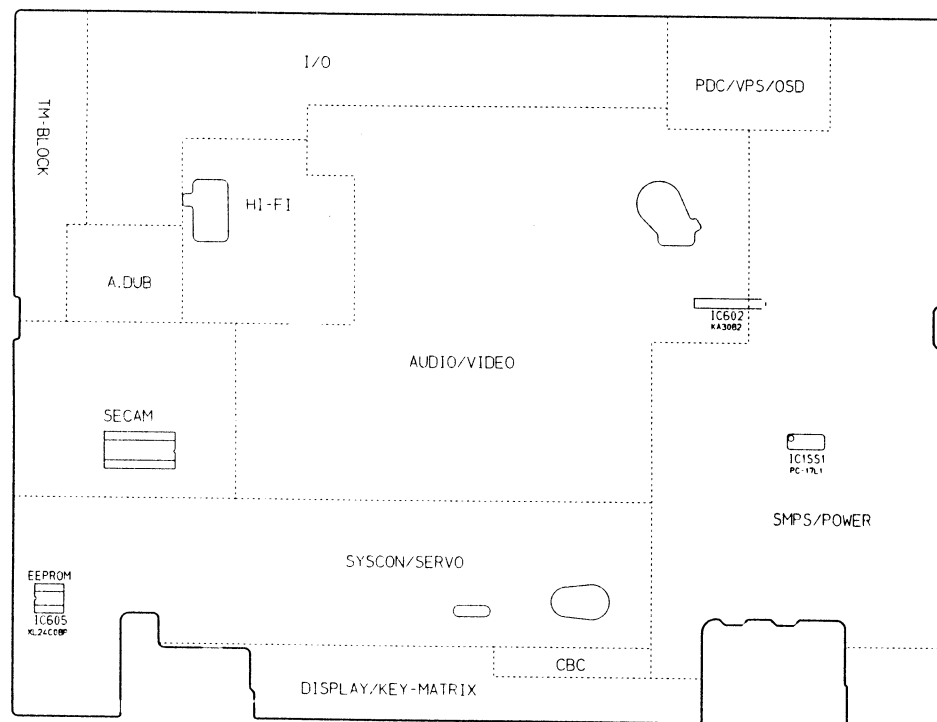
Most semiconductor devices are electrostatically sensitive and therefore require the special handling techniques described under the "electrostatically sensitive (ES) devices" section of this service manual.

Note :

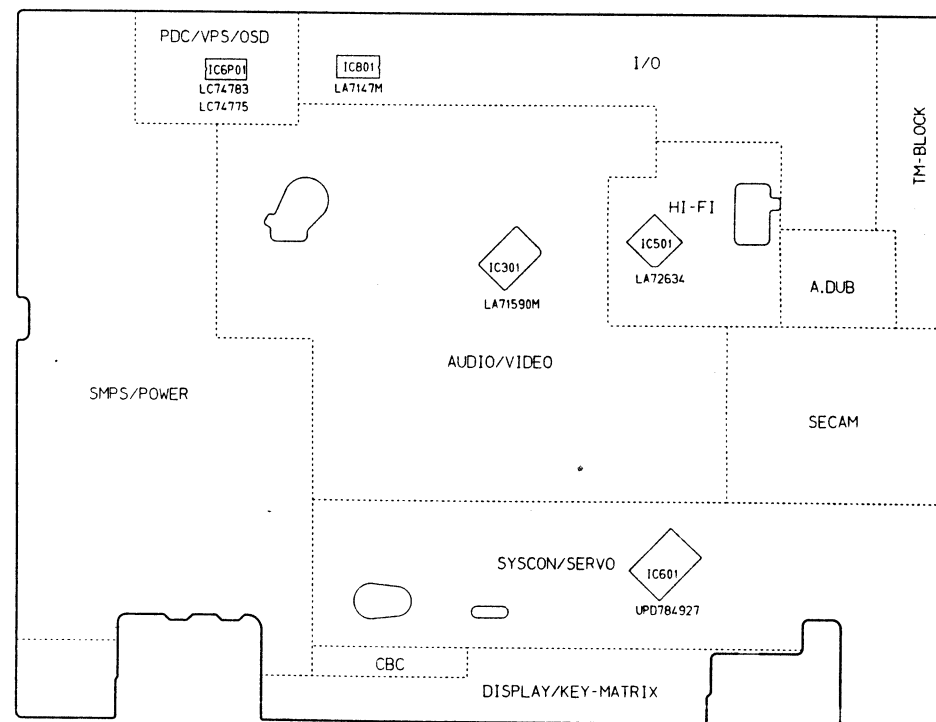
Do not use the part number shown on this drawing for ordering. The correct part number is shown in the parts list (may be slightly different or amended since this drawing was prepared).

Important safety notices :

Components identified with the mark $\triangle$ have the special characteristics for safety. When replacing any of these components. Use only the same type.

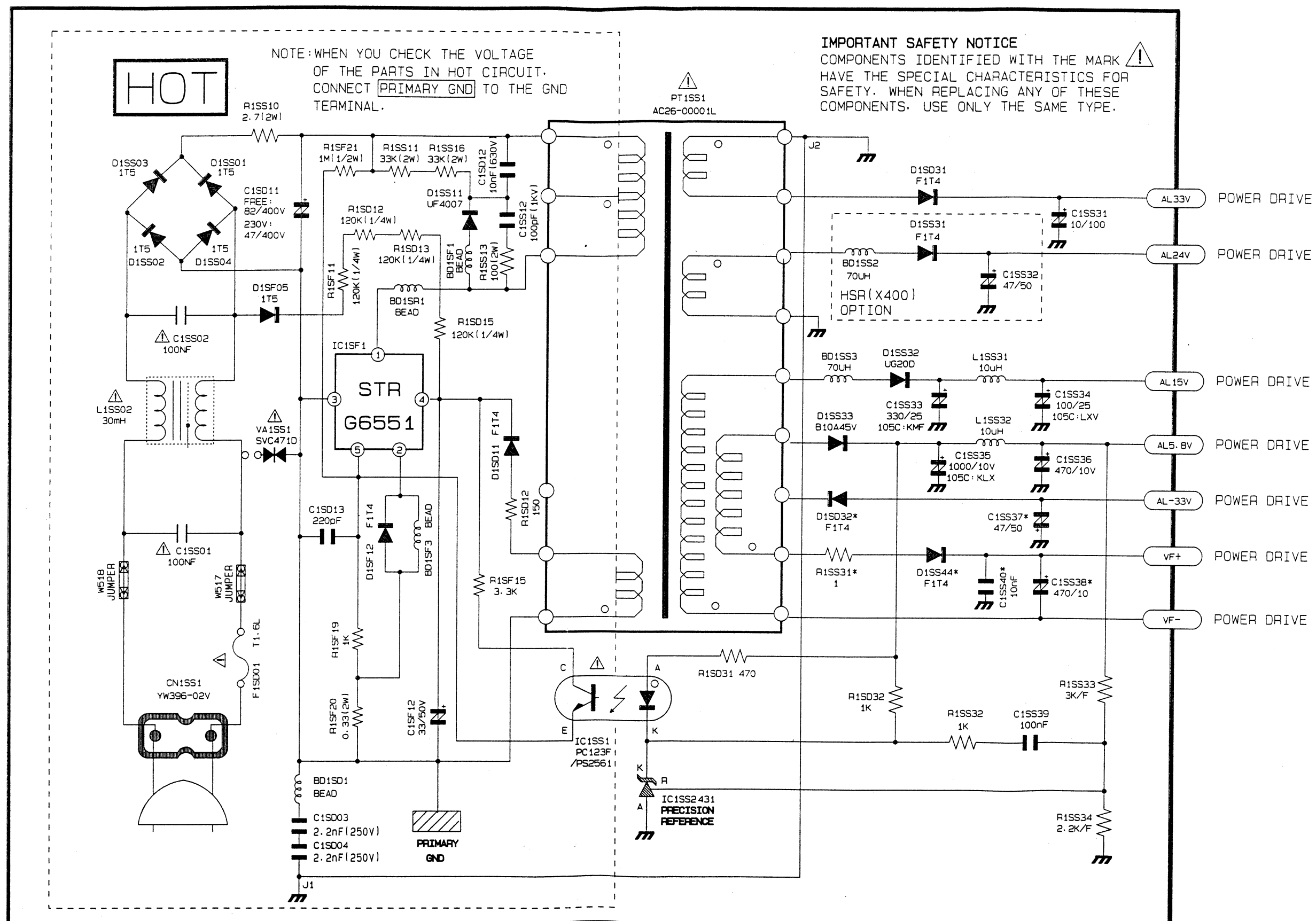
◆ Block Identification of Main PCB

Component Side

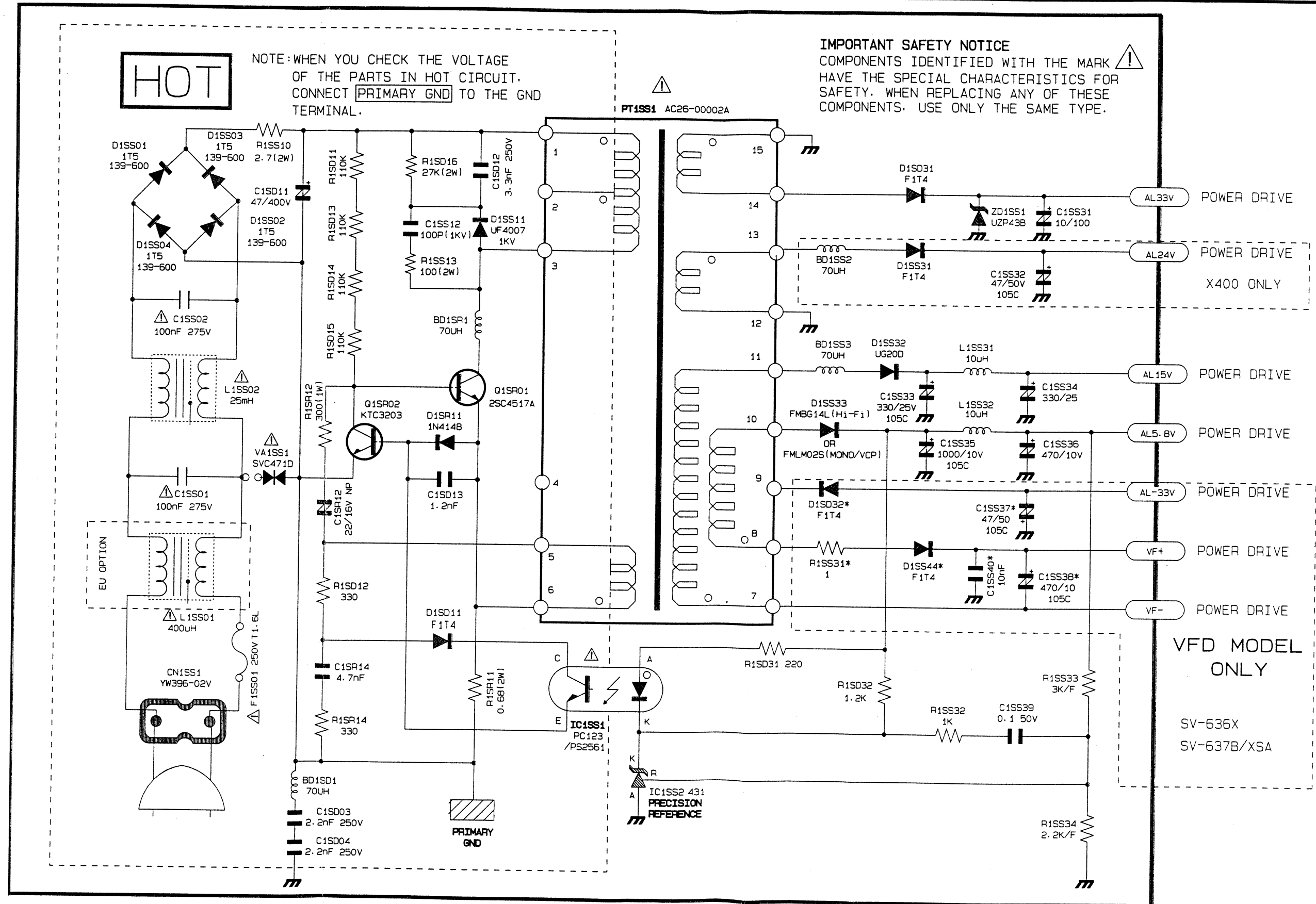


Conductor Side

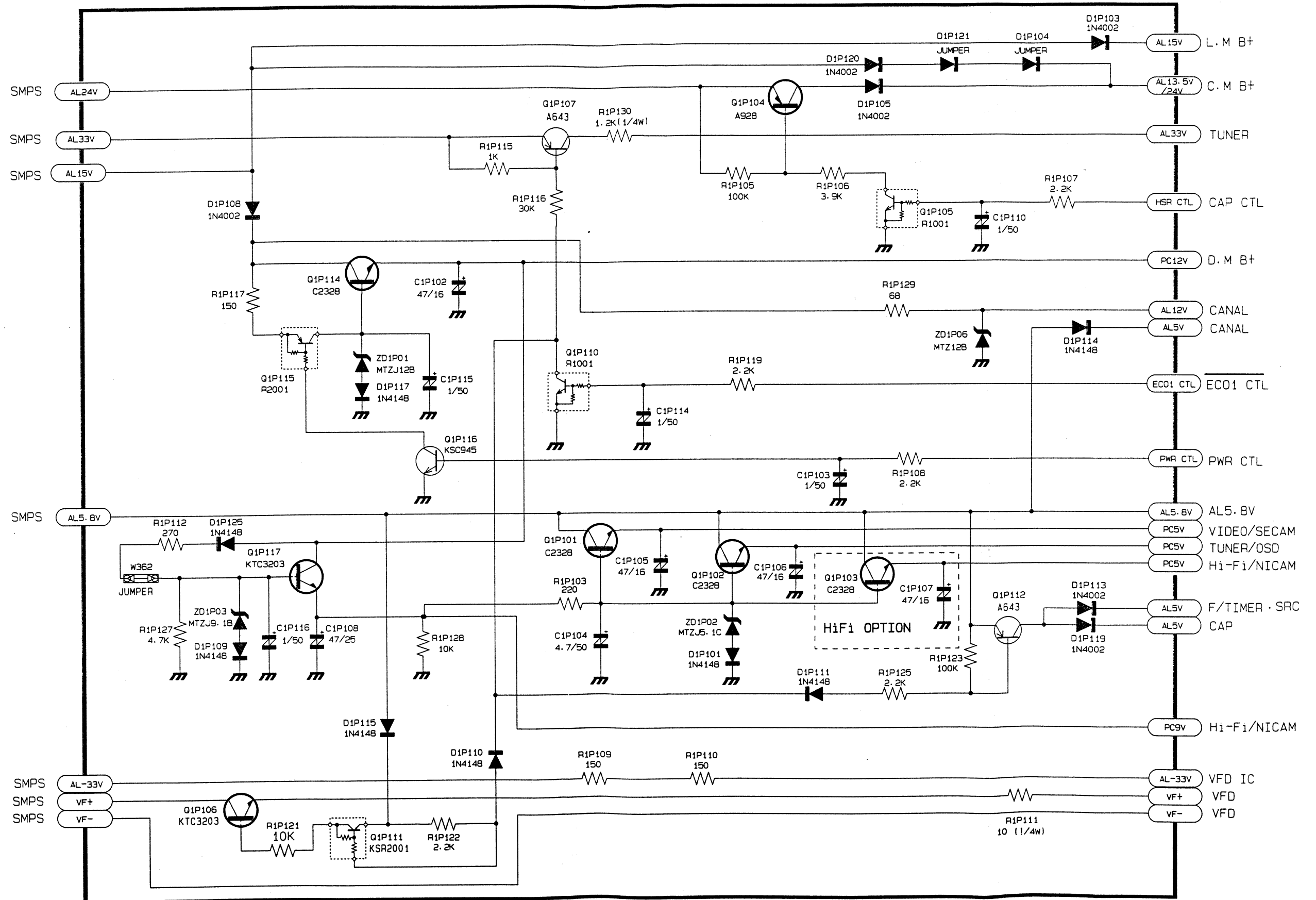
5-1 S.M.P.S. (Ecology ; SV-637F/637B/637X Only)

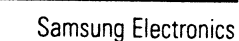


5-2 S.M.P.S. (Non-Ecology)

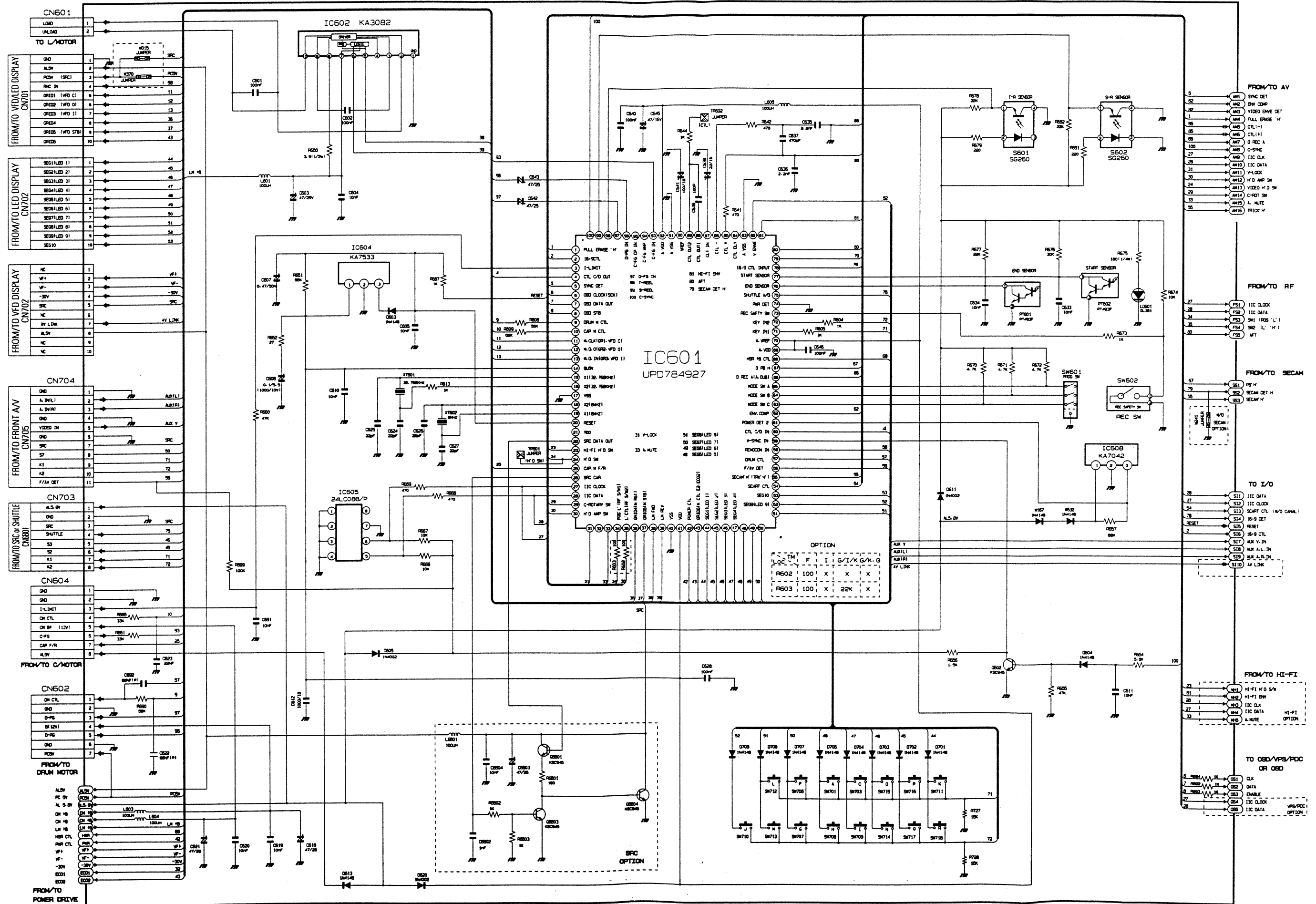


5-3 Power Drive (Ecology ; SV-637F/637B/637X Only)

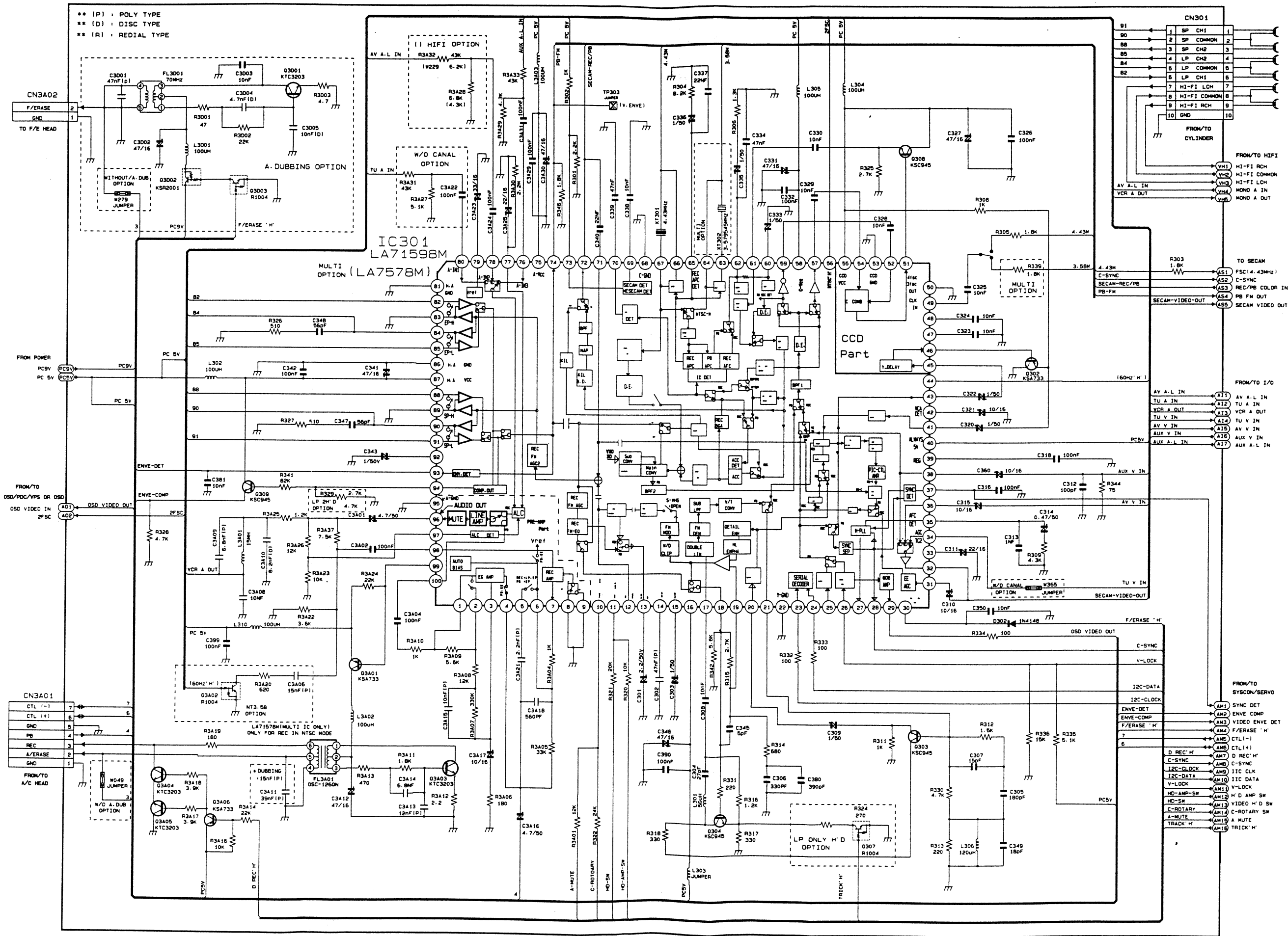




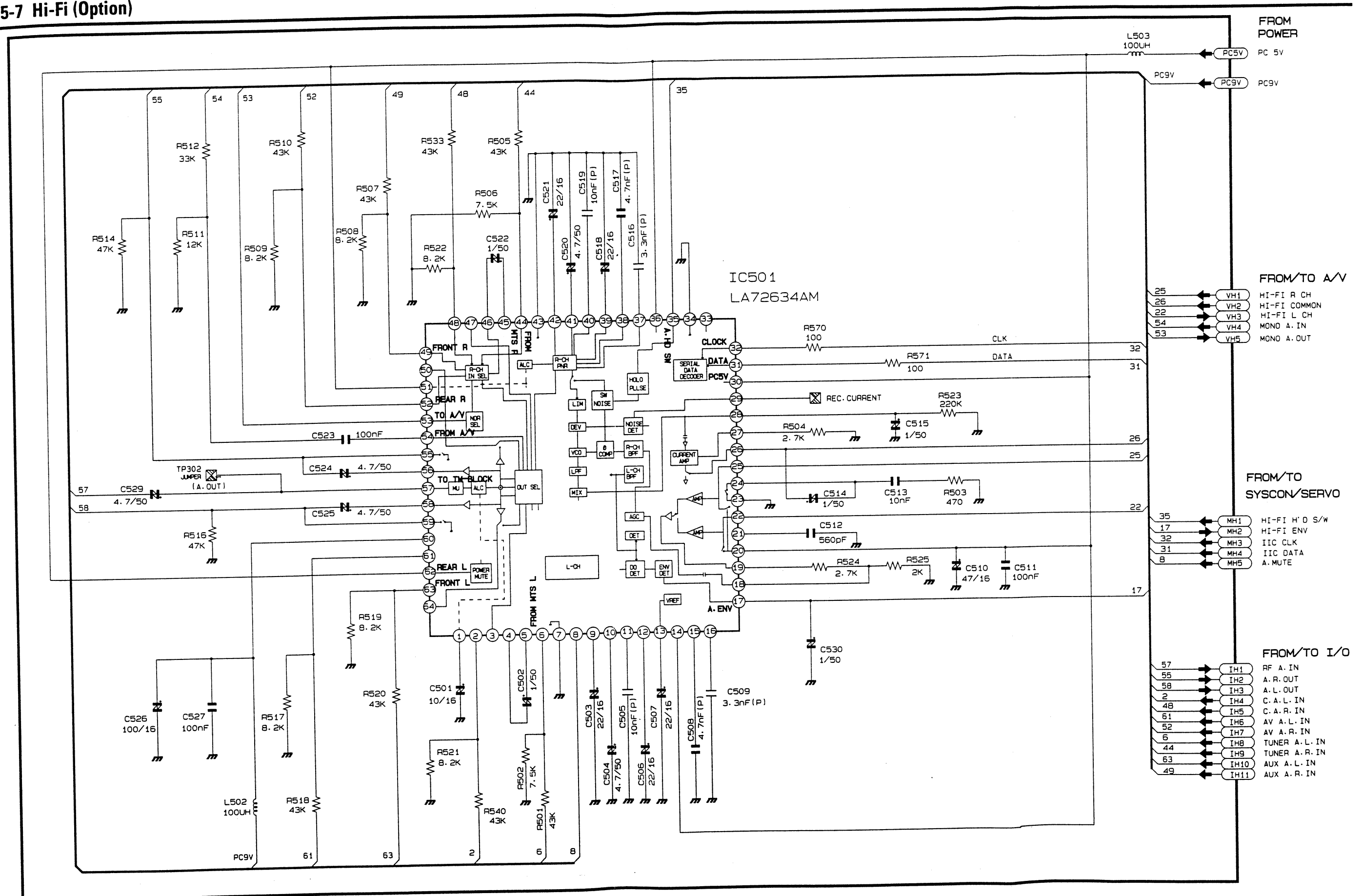
5-5 System Control/Servo



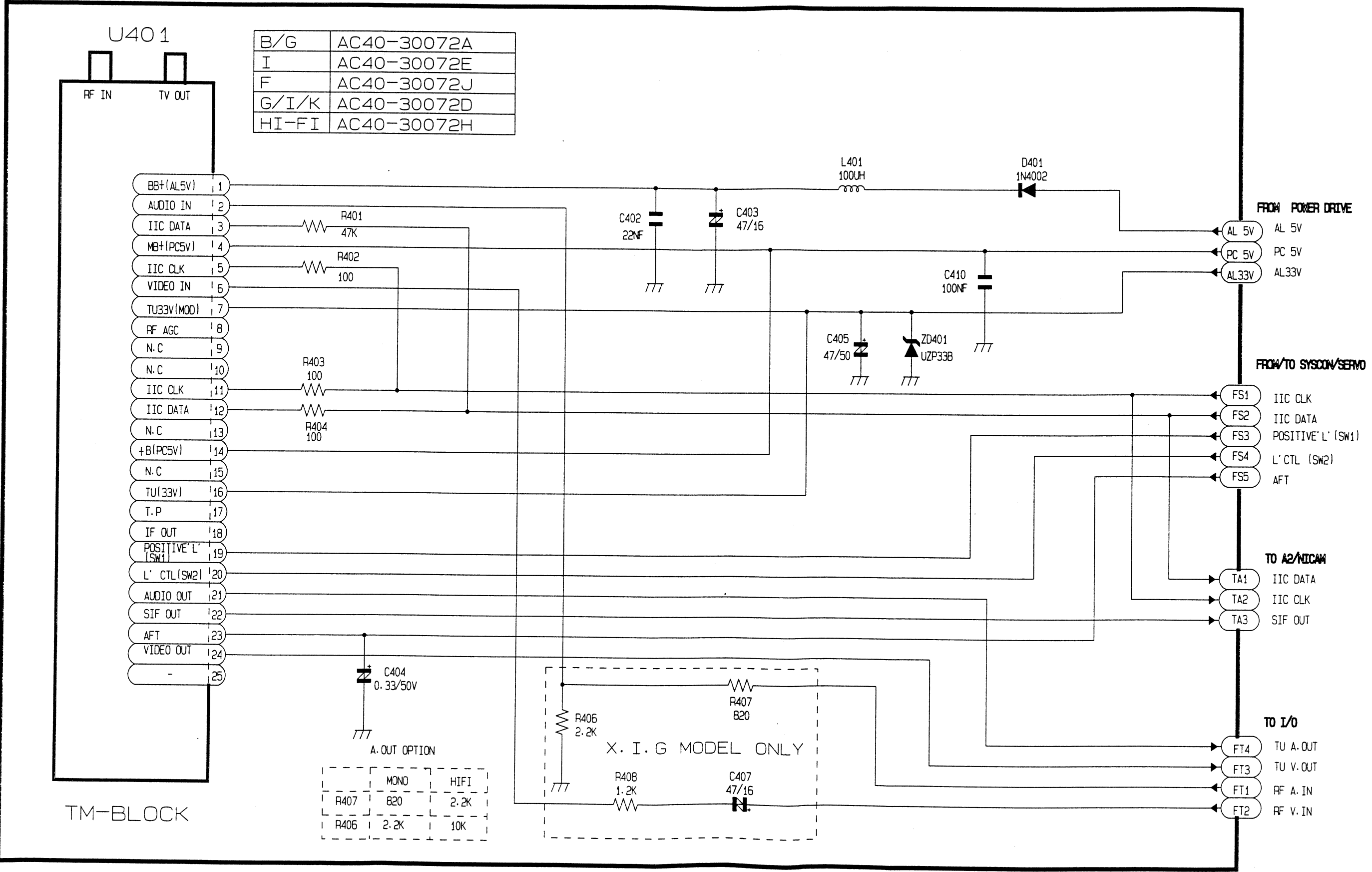
5-6 Audio/Video



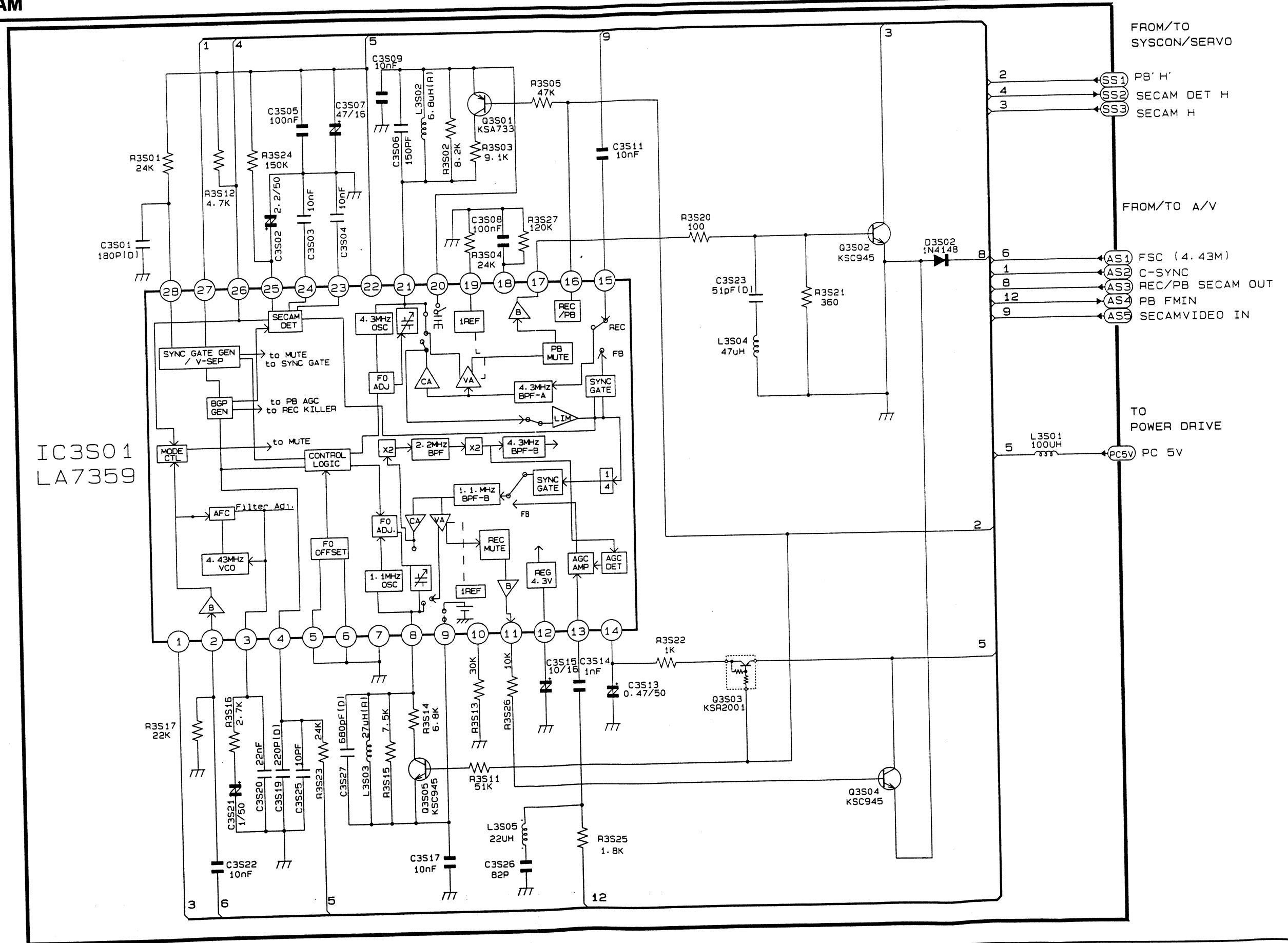
5-7 Hi-Fi (Option)



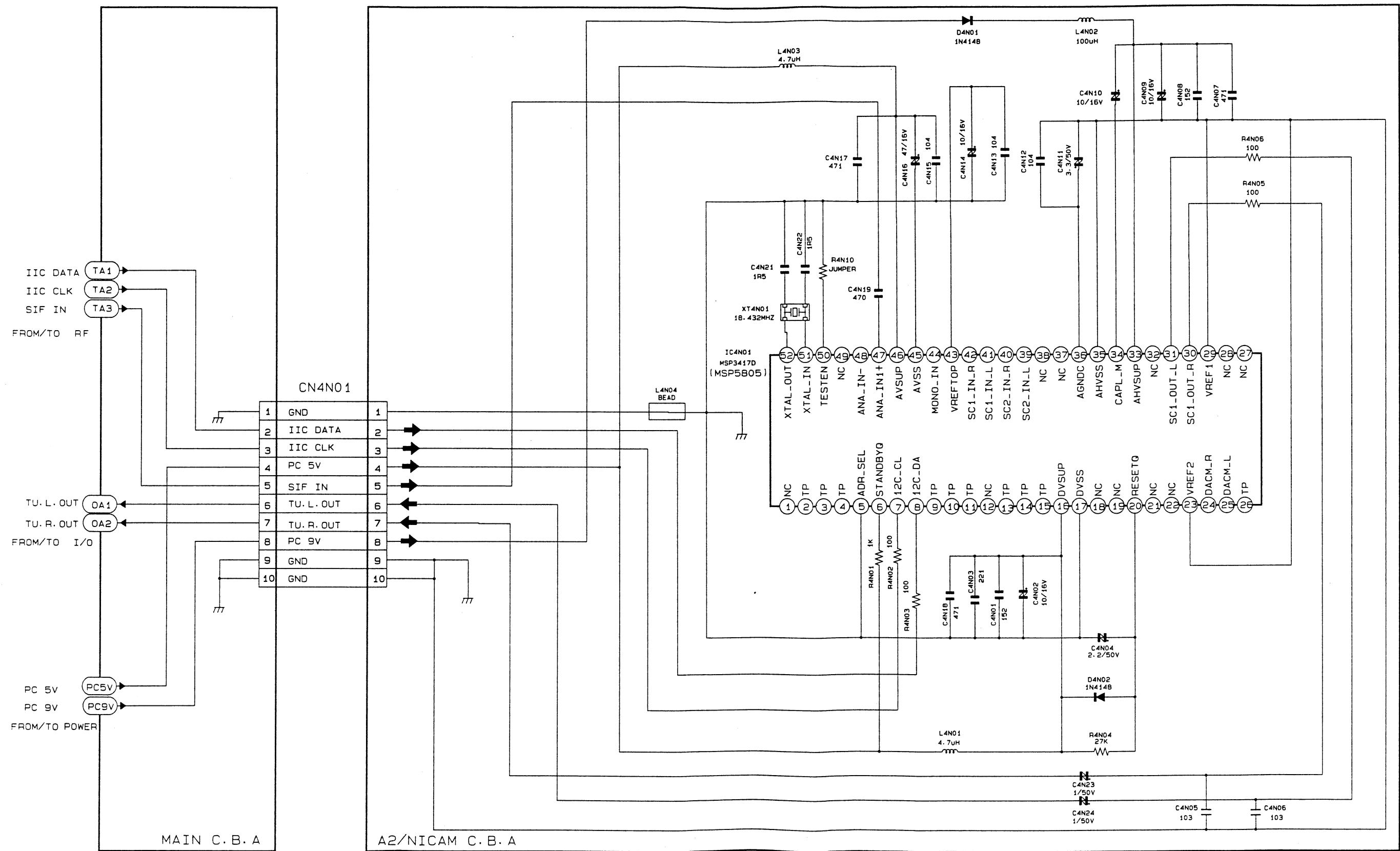
5-8 RF



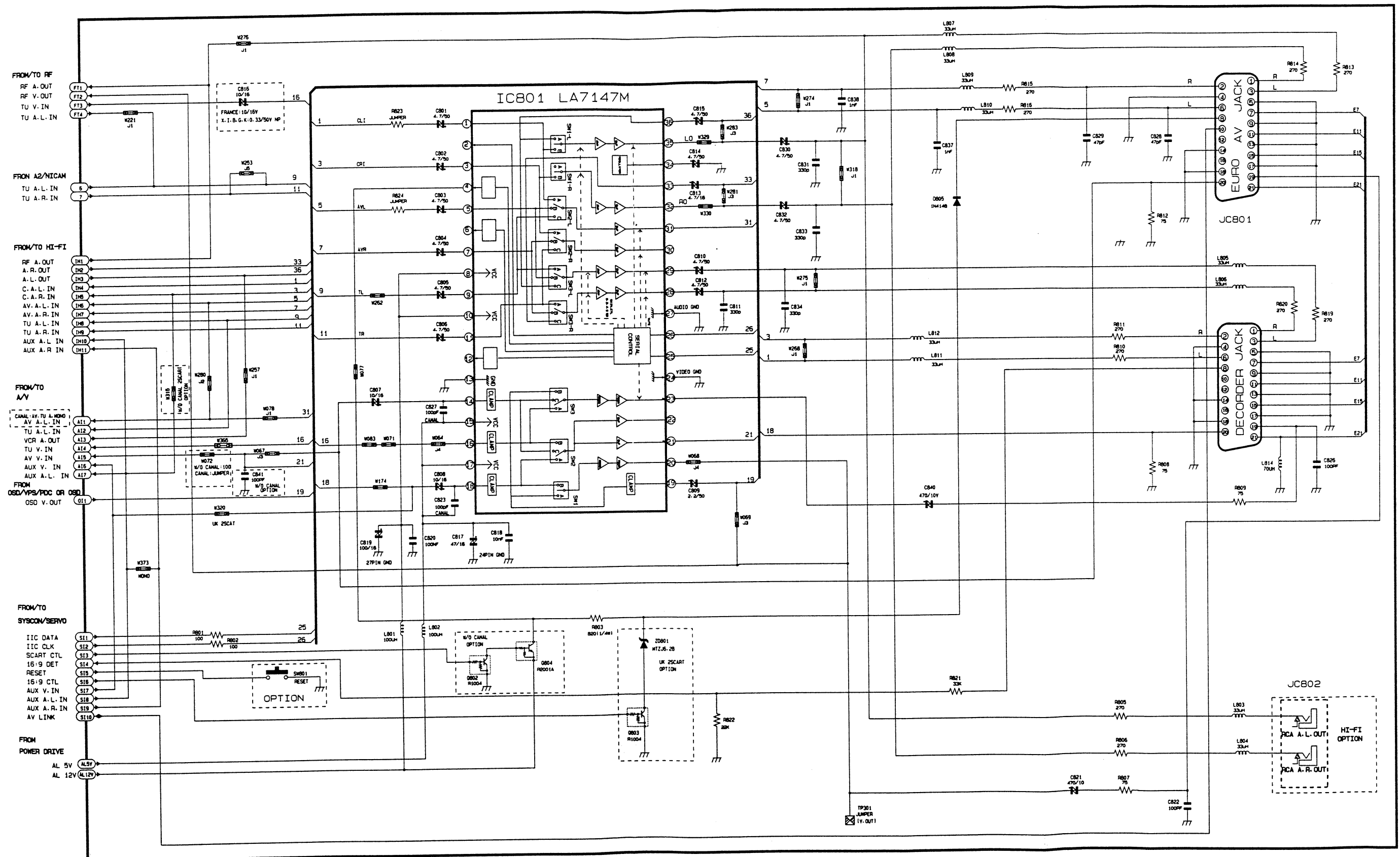
5-9 SECAM



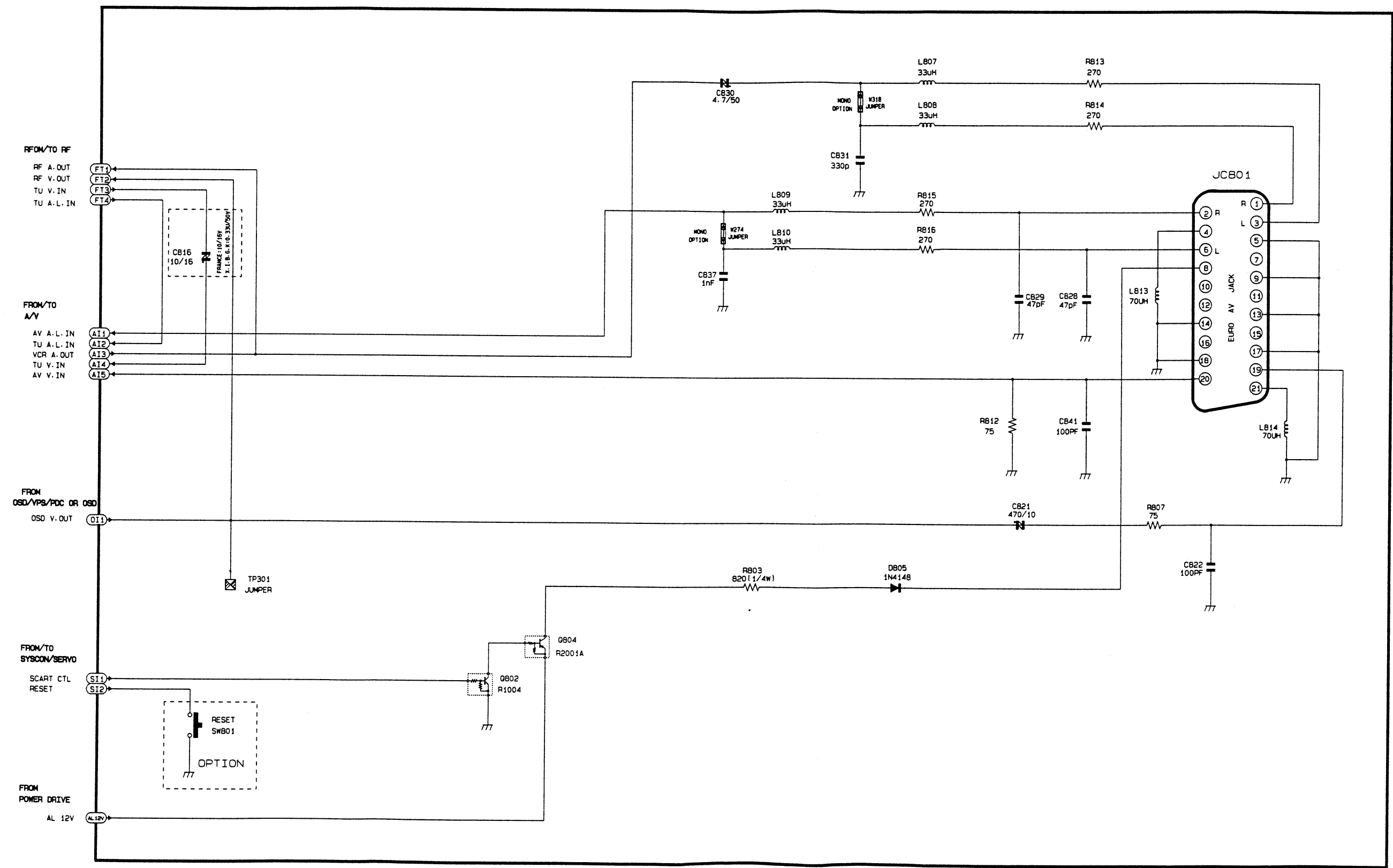
5-10 A2/NICAM (Option)



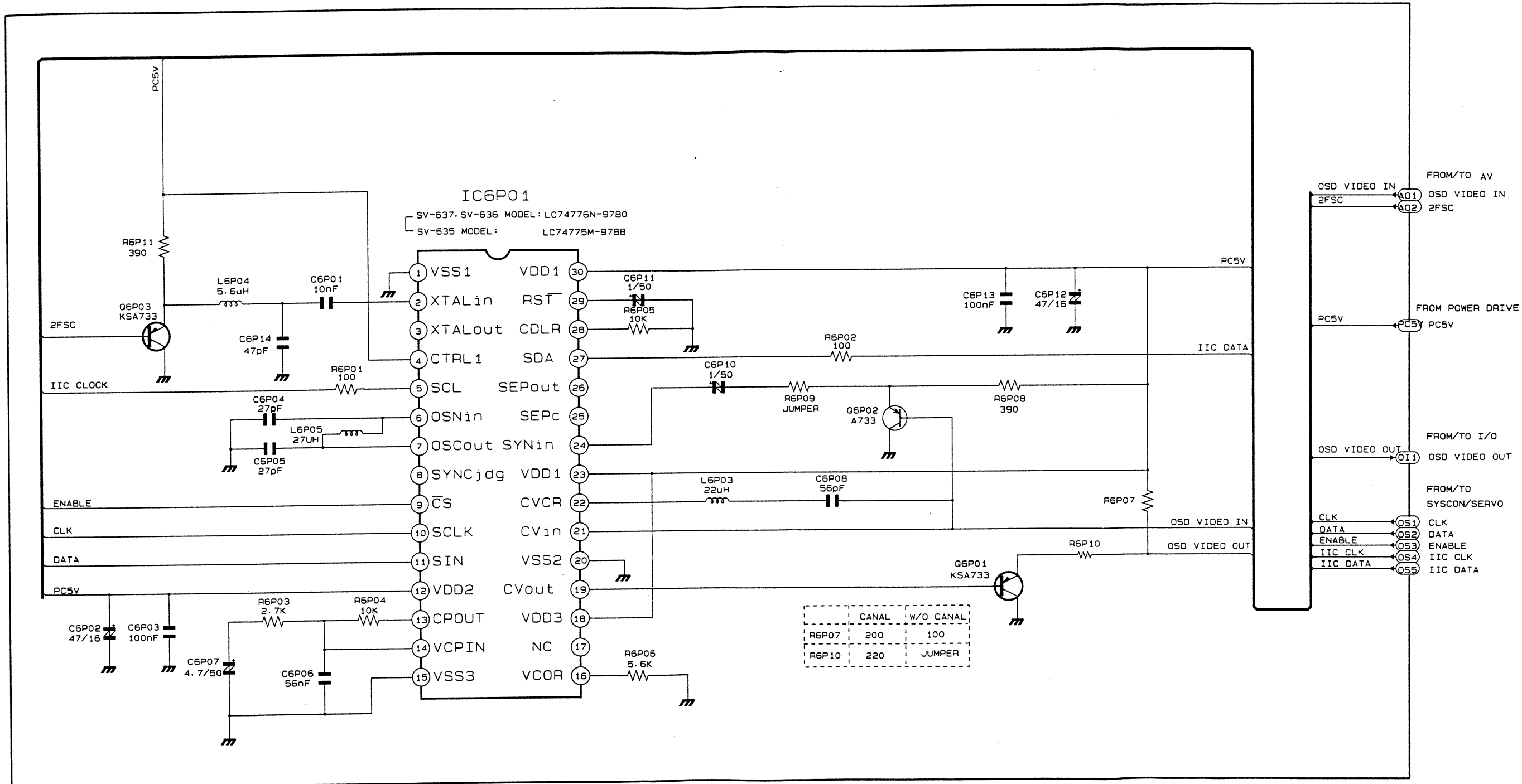
5-11 Input-Output (2 Scart Jack)



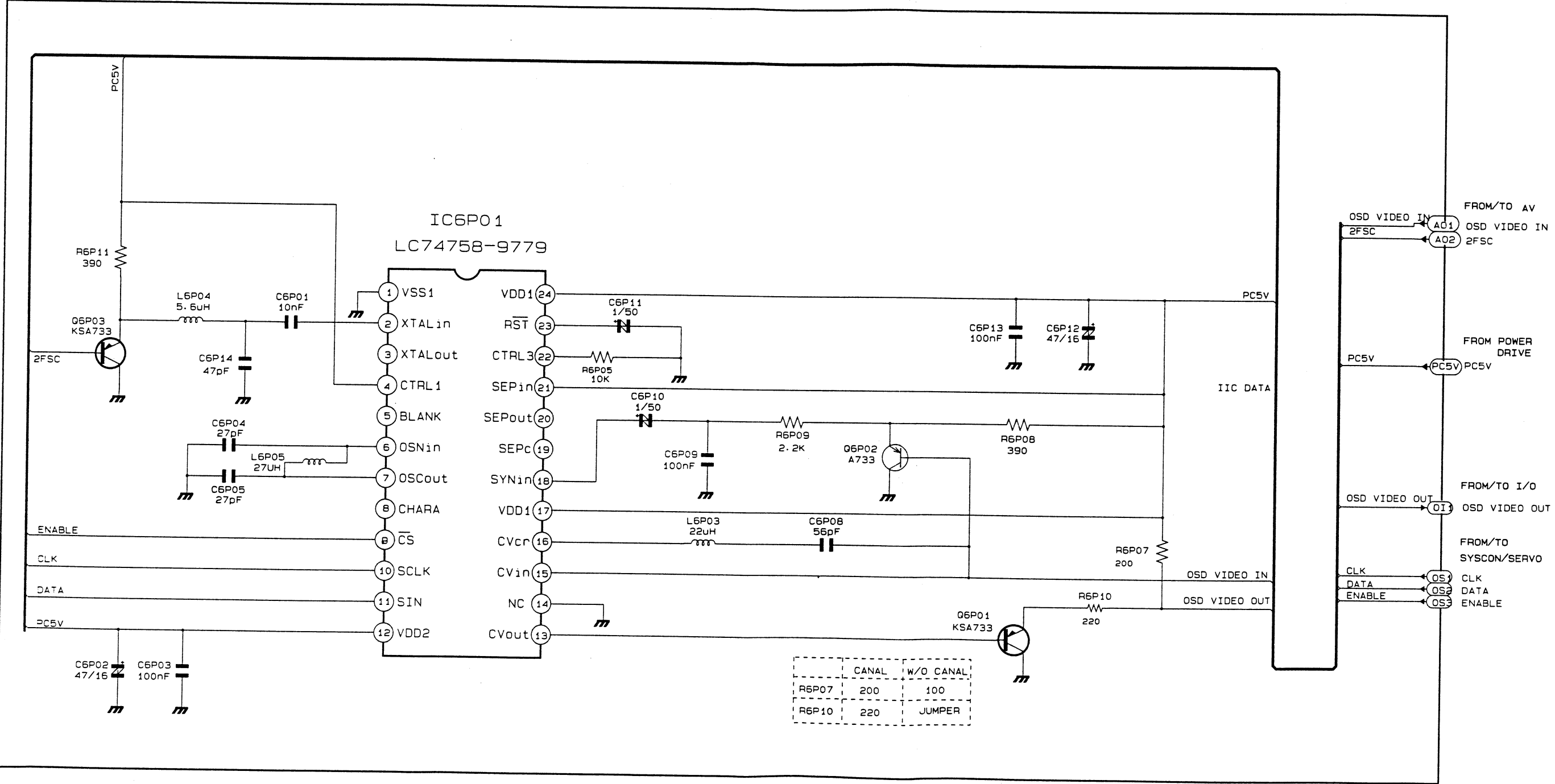
5-12 Input-Output (1 Scarrt Jack)



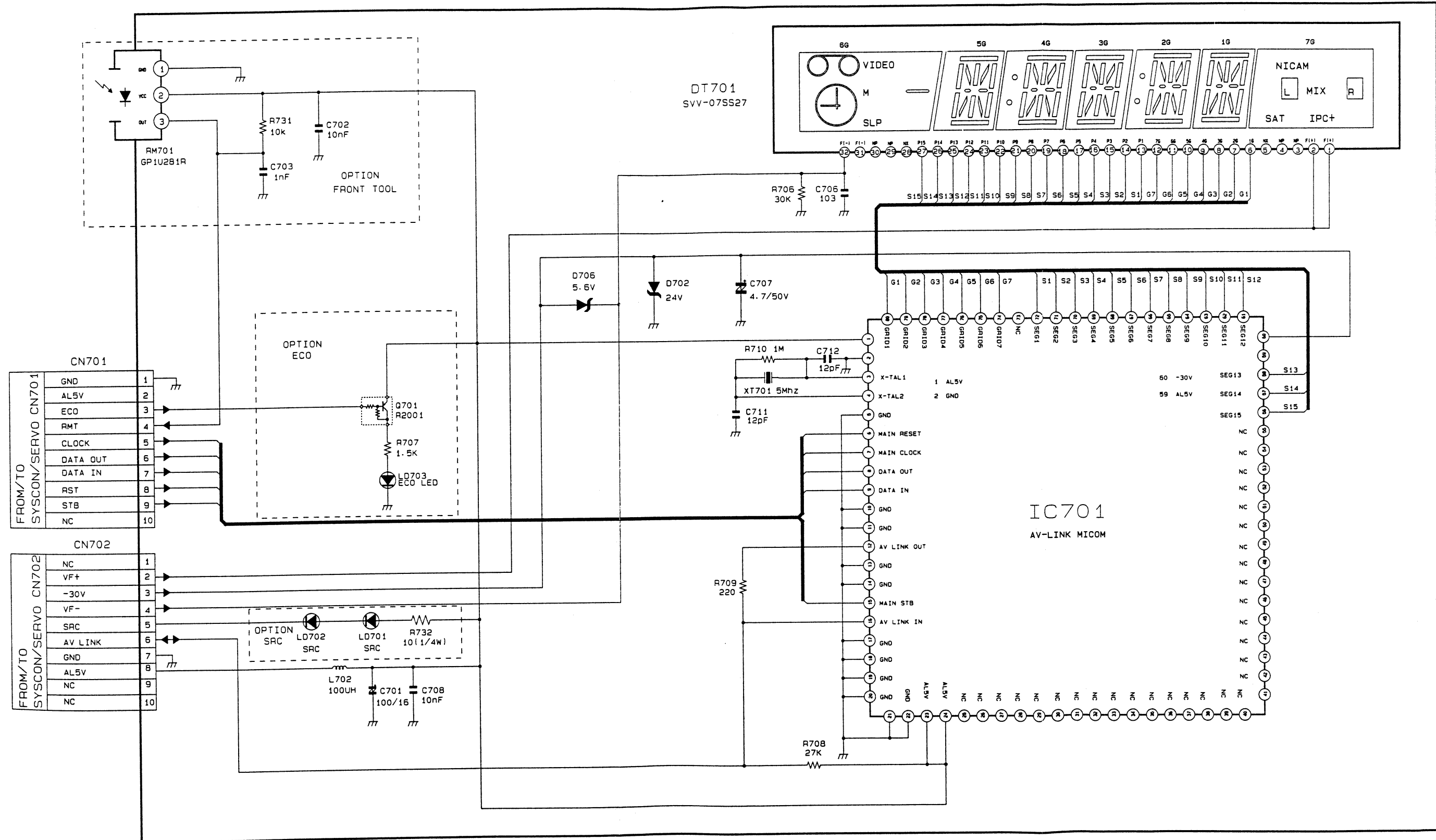
5-13 OSD/VPS/PDC



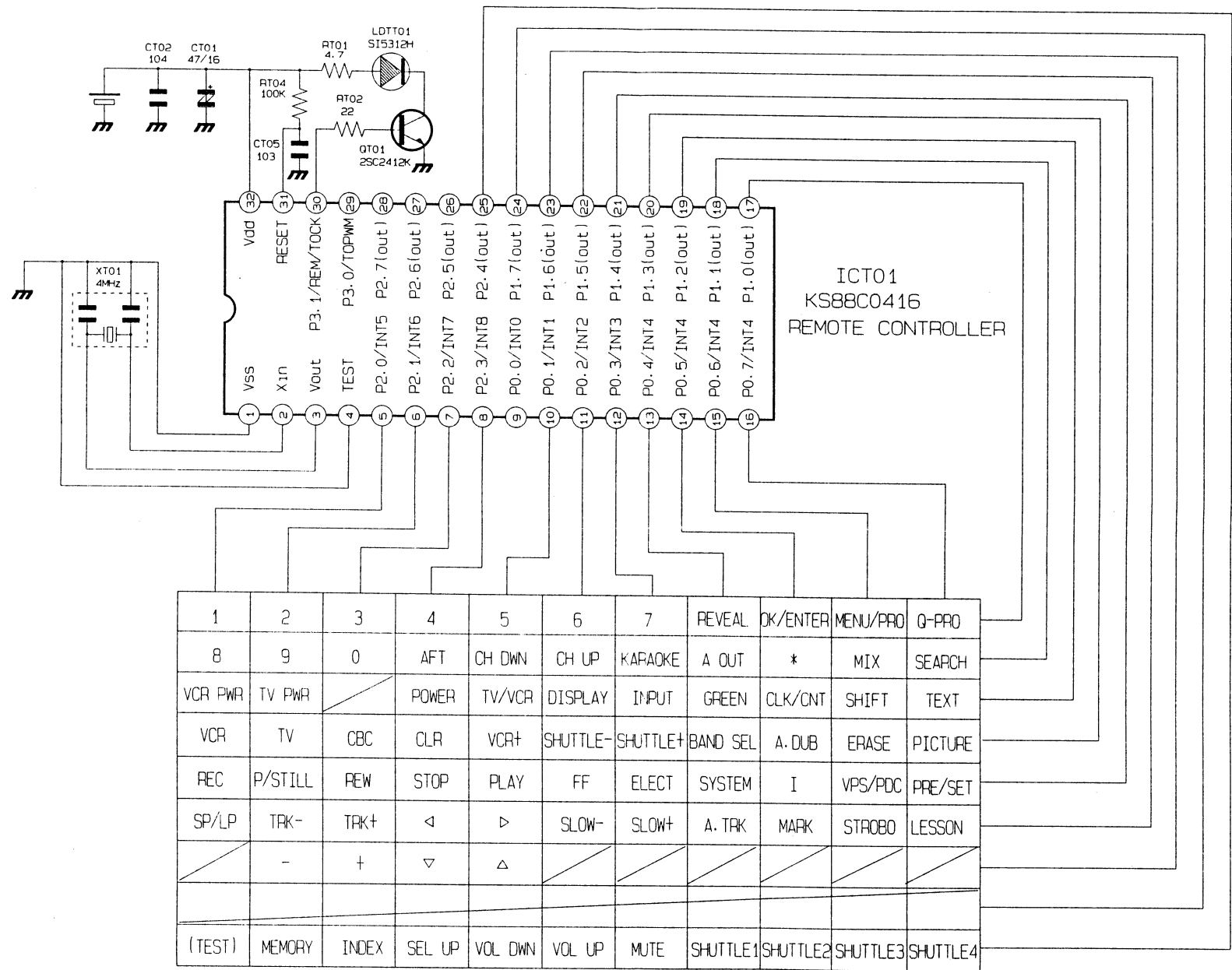
5-14 OSD (Without VPS/PDC)



5-15 VFD Display

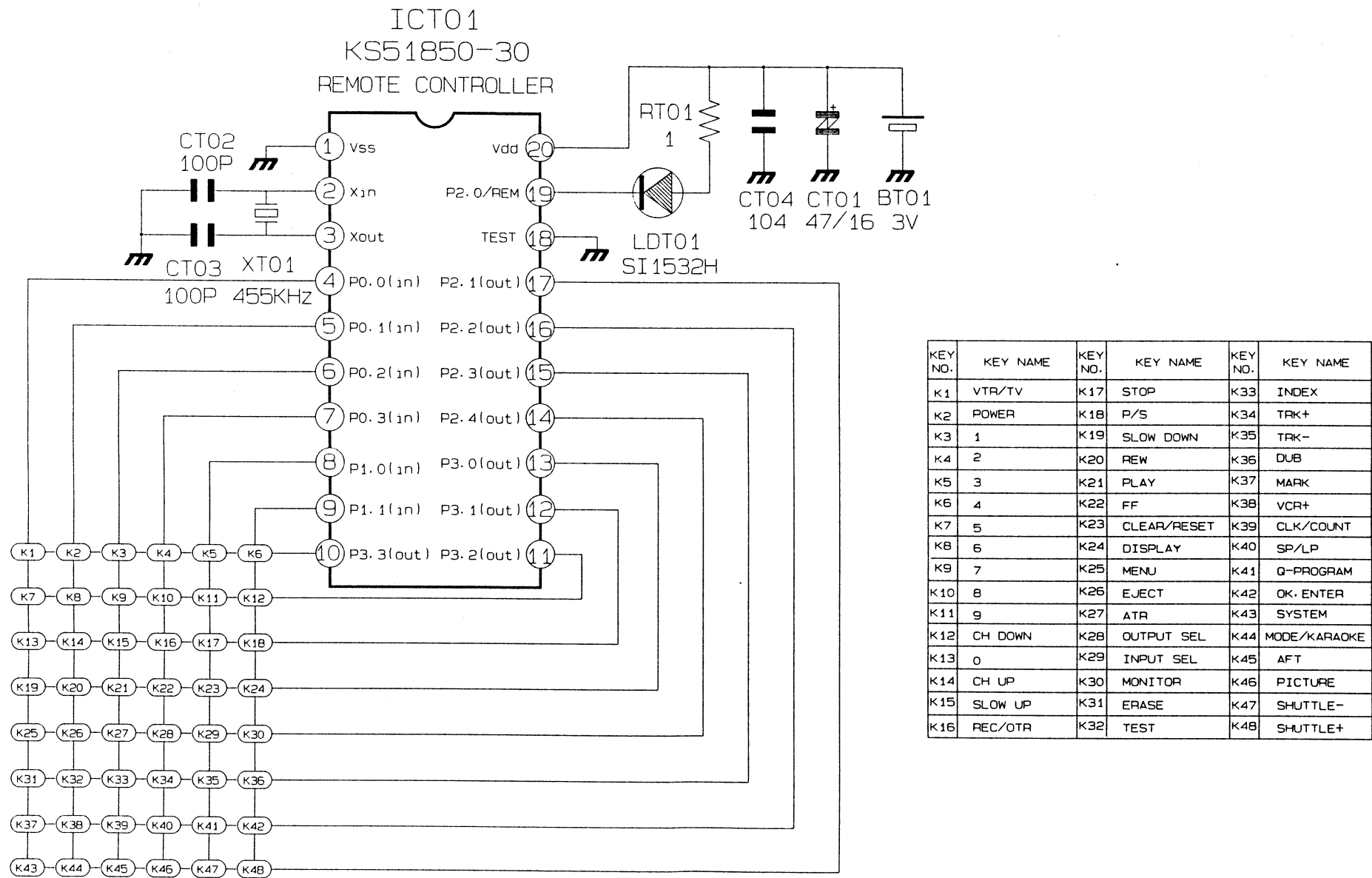


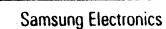
5-19 Remote-Control (Multi-TV)



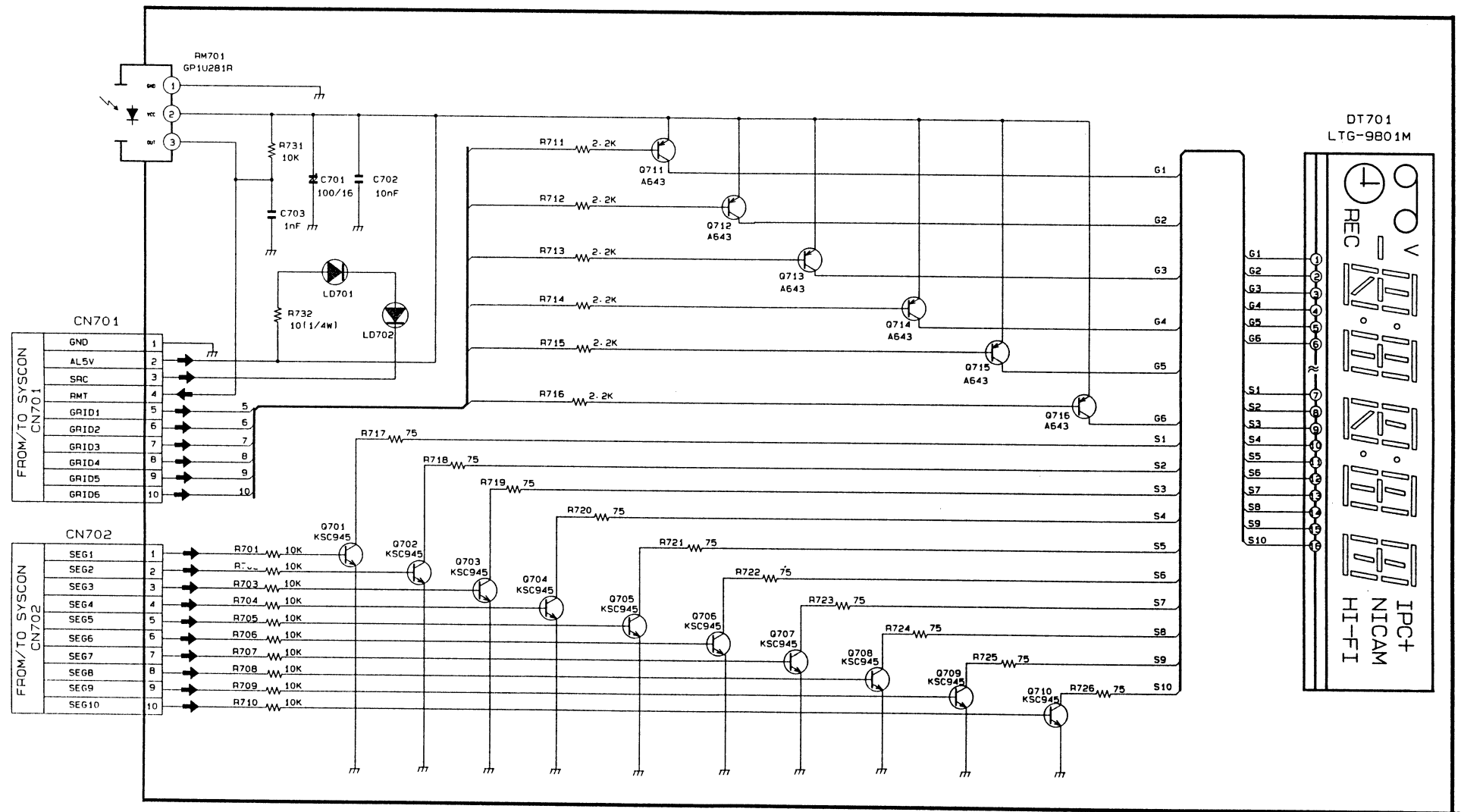
Schematic Diagrams

5-20 Remote-Control (VCR Only)

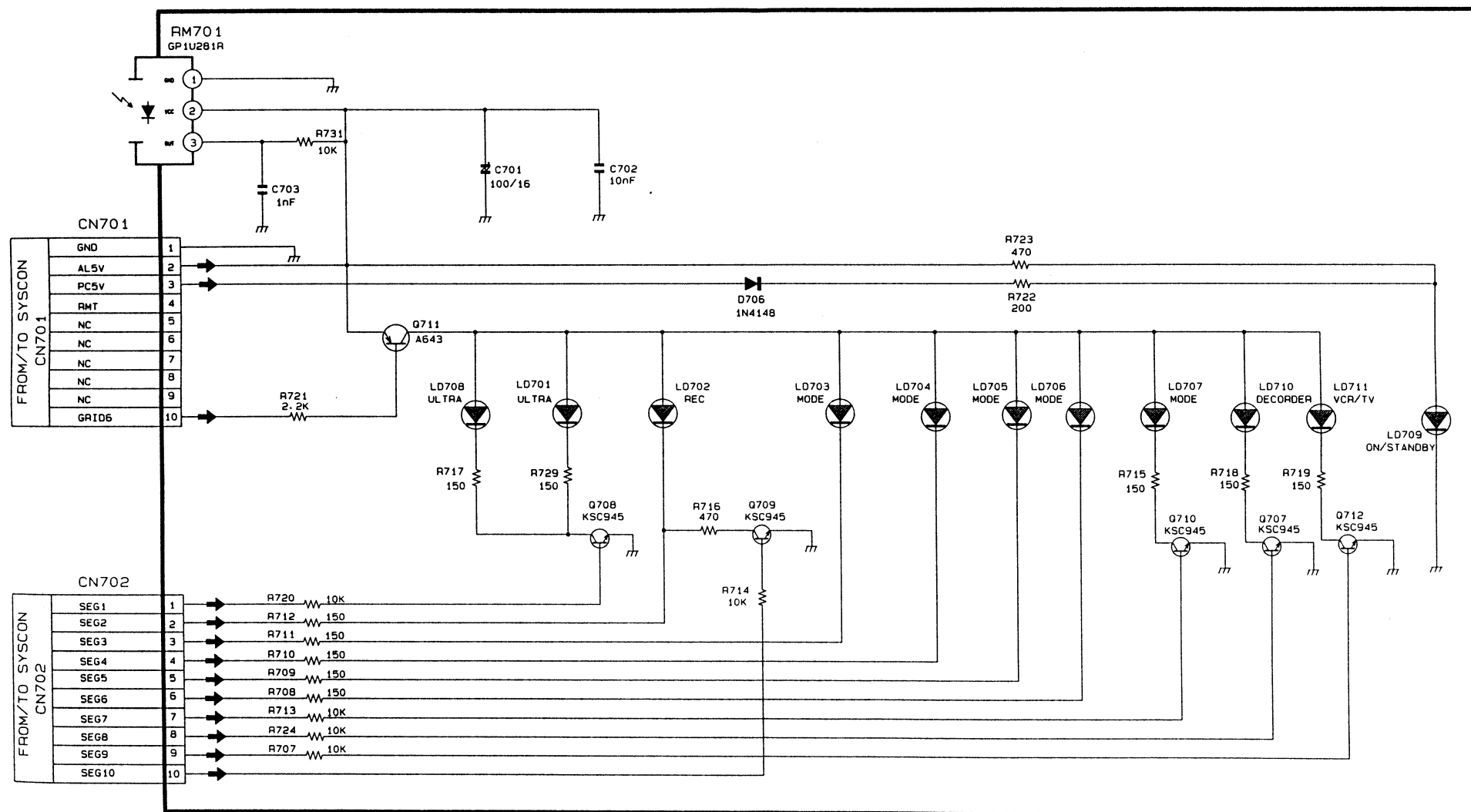




5-16 LED-Module Display



5-17 LED-Single Display



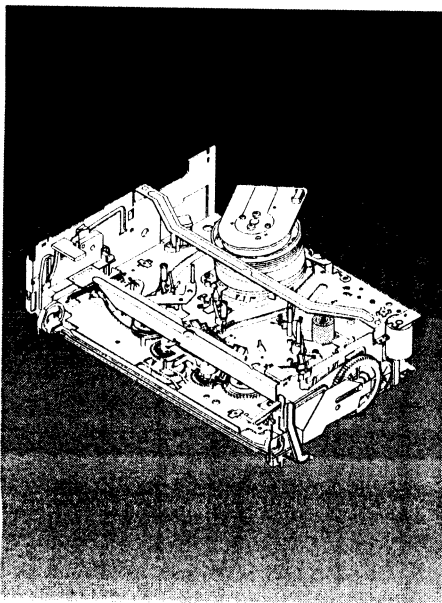
SAMSUNG

DX-9R

MECHANICAL Manual

◆ File with the SERVICE MANUAL.

VHS DECK



CONTENTS

1. Disassembly and Reassembly
2. Alignment and Adjustment

1. Disassembly and Reassembly

1-1 Deck Parts Locations

1-1-1 Top View

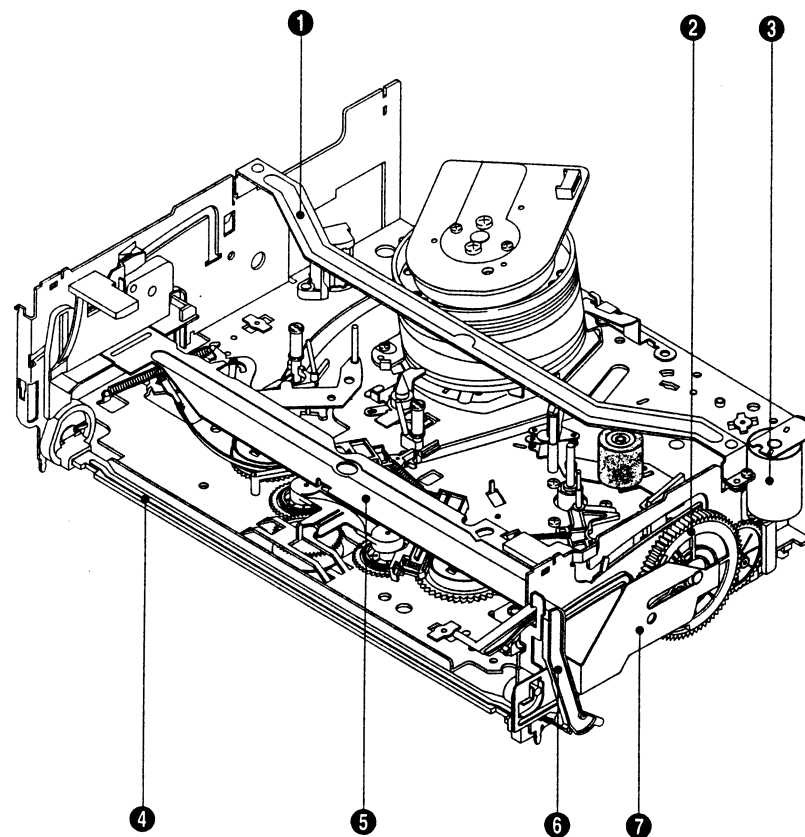


Fig. 1-1 Top parts Location-1

- ① BRACKET FL TOP
- ② GEAR FL CAM
- ③ MOTOR LOADING ASS'Y
- ④ LEVER FL ARM ASS'Y
- ⑤ HOLDER FL CASSETTE ASS'Y
- ⑥ LEVER FL DOOR
- ⑦ SLIDER FL DRIVE

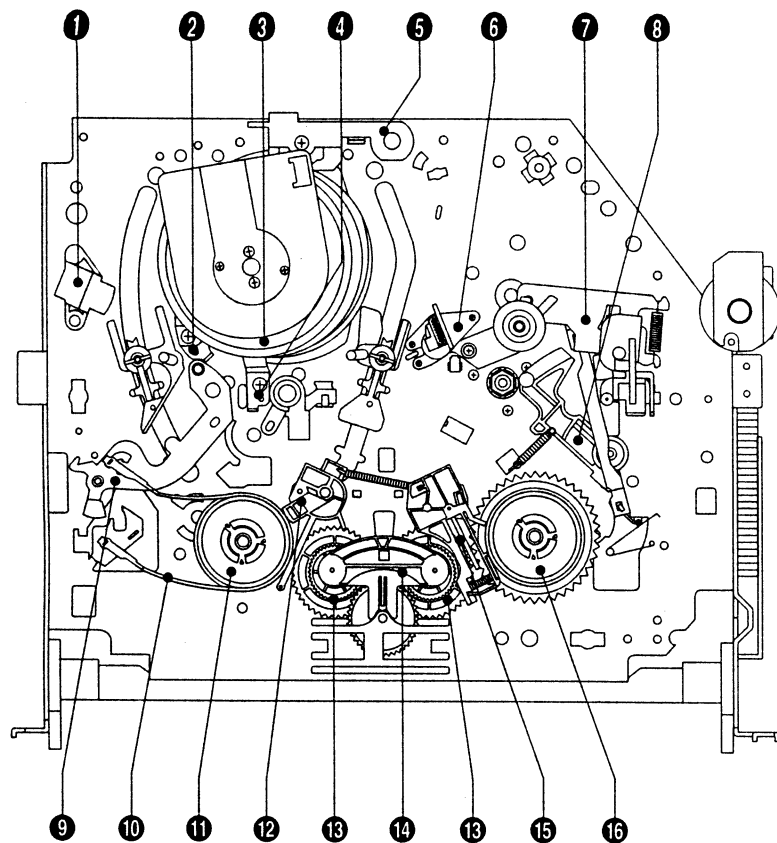


Fig. 1-2 Top Parts Location-2

- | | |
|------------------------|-----------------------|
| ① FE HEAD | ⑩ BAND BRAKE ASS'Y |
| ② PLATE CYLINDER C | ⑪ DISK S REEL |
| ③ CYLINDER ASS'Y | ⑫ LEVER S BRAKE ASS'Y |
| ④ PLATE CYLINDER B | ⑬ GEAR IDLE |
| ⑤ PLATE CYLINDER A | ⑭ LEVER IDLE |
| ⑥ ACE HEAD ASS'Y | ⑮ LEVER T BRAKE ASS'Y |
| ⑦ UNIT PINCH ASS'Y | ⑯ DISK T REEL |
| ⑧ LEVER #9 GUIDE ASS'Y | |
| ⑨ LEVER TENSION ASS'Y | |

1-1-2 Bottom View

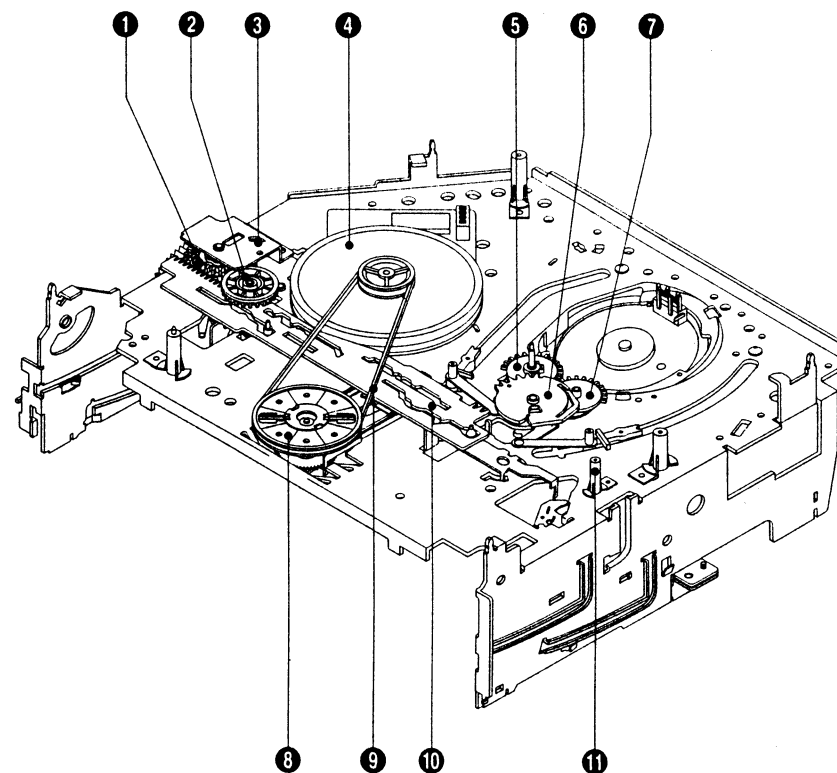


Fig. 1-3 Bottom Parts Location

- | |
|-----------------------|
| ① GEAR JOINT 1 |
| ② GEAR JOINT 2 |
| ③ BRACKET GEAR |
| ④ MOTOR CAPSTAN ASS'Y |
| ⑤ LEVER T LOAD ASS'Y |
| ⑥ GEAR LOADING DRIVE |
| ⑦ LEVER S LOAD ASS'Y |
| ⑧ HOLDER CLUTCH ASS'Y |
| ⑨ BELT PULLEY |
| ⑩ SLIDER CAM |
| ⑪ SLEEVE TENSION |

1-2 Main Deck

1-2-1 Bracket FL Top Removal

- 1) Remove 2 screws ❶.
- 2) Remove the Bracket FL Top ❷.

Note : Take care not to change assembly direction.

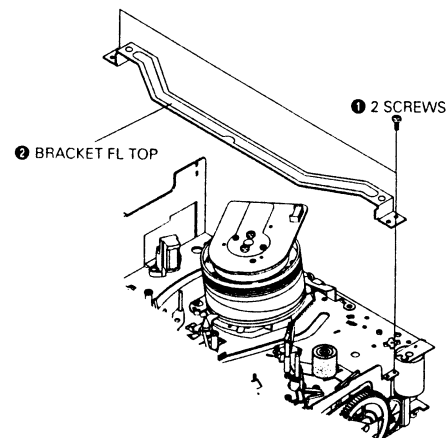


Fig. 1-4 Bracket FL Top Removal

1-2-2 Lever FL Door Removal

- 1) Rotate the Lever FL Door ❶ in the direction of arrow "A".
- 2) Release the Hook ❷, remove the Lever FL Door ❶ in the direction of arrow "B".

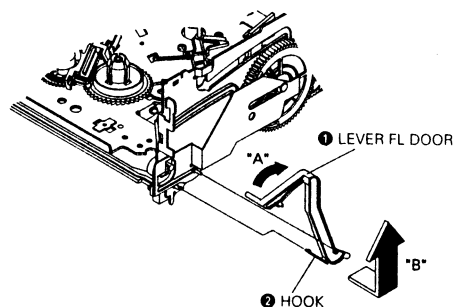


Fig. 1-5 Lever FL Door Removal

1-2-3 Holder FL Cassette Ass'y Removal

- 1) Remove the Lever FL Door. (Refer to Fig. 1-5)
- 2) Pull the Holder FL Cassette Ass'y ❶ to the eject position.
- 3) Pull the Holder FL Cassette Ass'y ❶ as grasping the Holder FL Cassette Ass'y ❶ and Lever FL Cassette-R ❷ in the same time to release hooking from Main Base until the Boss [A], [B] of Holder FL Cassette Ass'y ❶ is taken out from the Rail [C], [D].
- 4) Lift the Holder FL Cassette Ass'y ❶ in the direction of arrow "B" in this time, you have to grasp the Lever FL Cassette-R ❷ continuously until the Holder FL Cassette Ass'y ❶ is taken out completely.

Note : Be sure to insert Lever FL Cassette-R ❷ in the direction of "A" to prevent separation and breakage of the Lever FL Cassette-R ❷ at disassembling and reassembling.

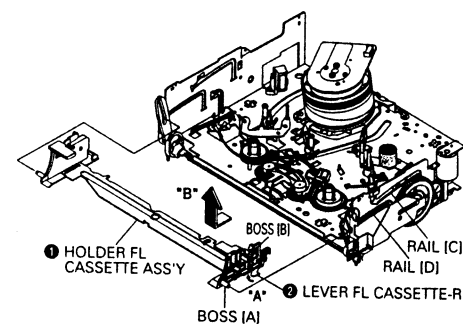


Fig. 1-6 Holder FL Cassette Ass'y Removal

1-2-4 Lever FL Arm Ass'y Removal

- 1) Remove the Lever FL Door. (Refer to Fig. 1-5)
- 2) Remove the Holder FL Cassette Ass'y. (Refer to Fig. 1-6)
- 3) Release the Hook ❶ in the direction of arrow "A", pull out the Lever FL Arm Ass'y ❷ from the Boss of Main Base.
- 4) Remove the Lever FL Arm Ass'y ❷ in the direction of arrow "B".

Assembly : When reinstalling, be sure to reassemble Lever FL Arm Ass'y ❷ after you insert the Boss ❷ in Groove [A] of Slider FL Drive ❸.

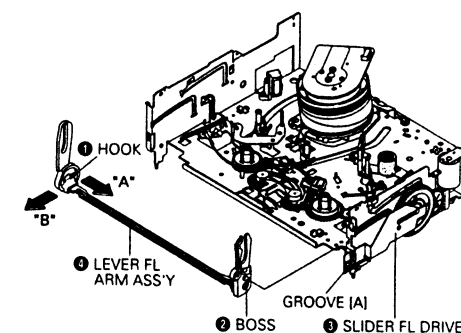


Fig. 1-7 Lever FL Arm Ass'y Removal

1-2-5 Slider FL Drive Removal

- 1) Pull the Slider FL Drive ❶ to the front direction.
- 2) Remove the Slider FL Drive ❶ in the direction of arrow. (Refer ti Fig. 1-8)

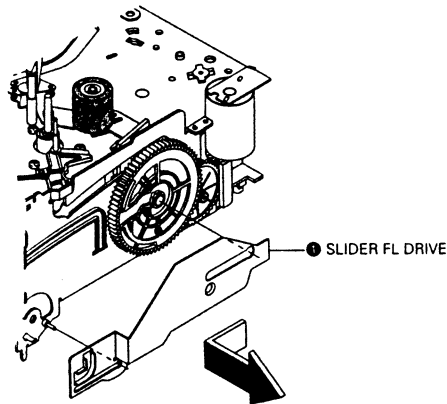


Fig. 1-8 Slider FL Drive Removal

1-2-6 Bracket Gear, Gear FL Cam, Gear Joint 1, 2 Removal

- 1) Remove screw ❶.
- 2) Lift the Bracket Gear ❷.
- 3) Remove the Gear FL Cam ❸.
- 4) Lift the Gear Joint 2 ❹, Gear Joint 1 ❺.

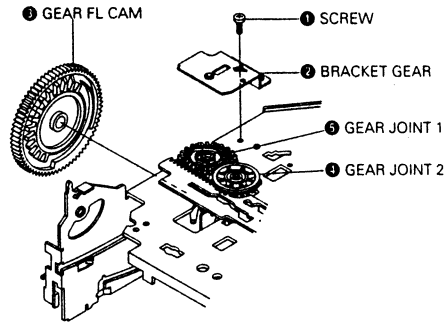


Fig. 1-9 Bracket Gear, Gear FL Cam, Gear Joint 1, 2 Removal

1-2-7 Assembly of Gear FL Cam, Gear Joint 1, 2

- 1) Be sure to align dot mark of Gear Joint 1 ❶ with dot mark of Gear Joint 2 ❷ as shown Fig. 1-10 (Refer to Timing Point 1), confirm the Timing Point 2 of the Gear Joint 2 ❷ and Slider Cam ❸.
- 2) Align the Gear FL Cam ❹ with the Gear Worm Wheel Post as shown detail drawing. (Refer to Timing Point 3)

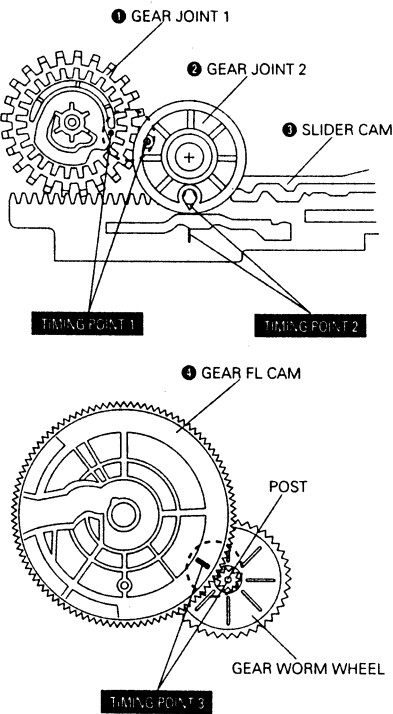


Fig. 1-10 Assembly of Gear FL Cam, Gear Joint 1,2

1-2-8 Holder Worm, Gear Worm, Gear Worm Wheel Removal

- 1) Release the Hook [A] in the direction of arrow and, remove the Holder Worm ❶.
- 2) Remove the Gear Worm ❷.
- 3) Remove the Gear Worm Wheel ❸. (After removing the Gear FL Cam as shown Fig. 1-9)

Note : Secure the Hook [A] after installing the Holder Worm ❶.

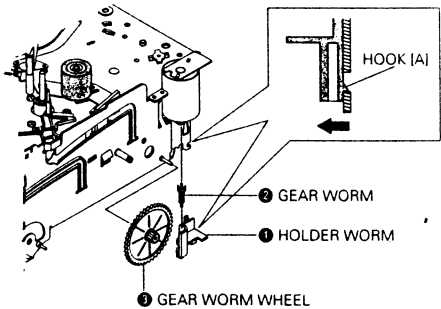


Fig. 1-11 Holder Worm, Gear Worm, Gear Worm Wheel Removal

1-2-9 Motor Loading Ass'y Removal

- 1) Remove the screw ❶.
- 2) Remove the Motor Loading Ass'y ❷.

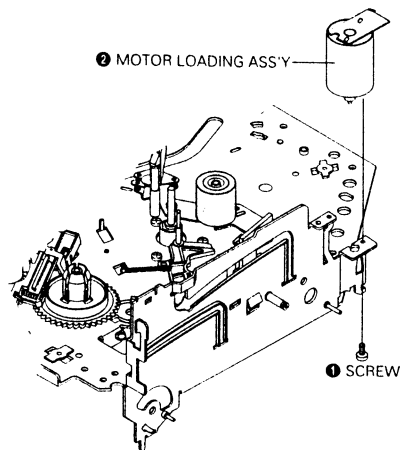


Fig. 1-12 Motor Loading Ass'y Removal

1-2-10 Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y Removal

- 1) Remove the Belt Pulley. (Refer to Fig. 1-29)
- 2) Remove the Gear Loading Drive ❶ after releasing Hook [A] in the direction arrow as shown in detail drawing.
- 3) Remove the Slider Cam ❷.
- 4) Remove the Lever T, S Load Ass'y ❸, ❹.

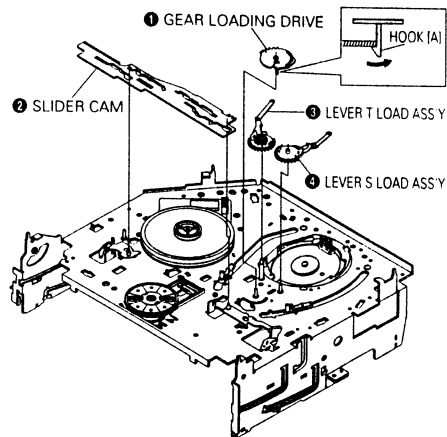


Fig. 1-13 Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y Removal

1-2-11 Assembly of Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y

- 1) When reinstalling, be sure to align dot of Lever T Load Ass'y ❶ with dot of Lever S Load Ass'y ❷ as shown in drawing. (Refer to Timing Point 1)
- 2) Insert the Pin A, B, C, D into the Slider Cam ❸ hole.
- 3) Be sure to align dot of Lever T Load Ass'y and dot of Gear Loading Drive ❹. (Refer to Timing Point 2)
- 4) Align dot of Gear Loading Drive with mark of Slider Cam as shown in drawing. (Refer to Timing Point 3)

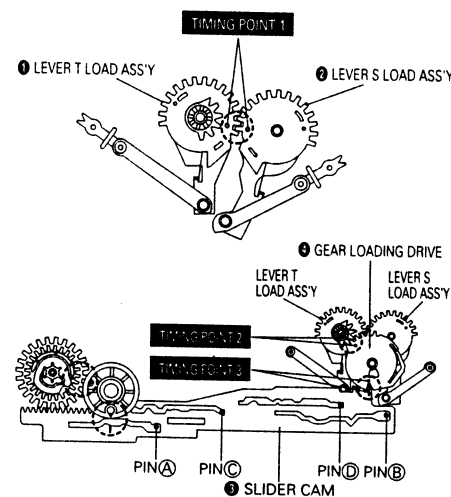


Fig. 1-14 Assembly of Gear Loading Drive, Slider Cam, Lever T, S Load Ass'y

1-2-12 Lever Tension Ass'y, Band Brake Ass'y, Sleeve Tension Removal

- 1) Remove the Spring Tension ❶.
- 2) In bottom side of Deck, remove the Sleeve Tension ❷ after rotating it right or left as lifting locking edge of Sleeve Tension.
- 3) Remove the side "a" of the Band Brake Ass'y ❸ in the direction of arrow "A" from the Lever Tension Ass'y ❹.
- 4) Remove the side "b" of the Band Brake Ass'y ❸ in the direction of arrow "B" from the Main Base.

Note :

- 1) When replacing the Lever Tension Ass'y, be sure to apply oil in the Sleeve Tension.
- 2) Take care not to touch stain on the felt side, and not to be folded and broken Band Brake Ass'y.

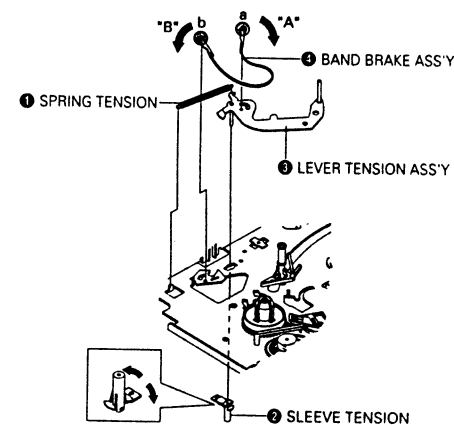


Fig. 1-15 Lever Tension Ass'y, Band Brake Ass'y, Sleeve Tension Removal

1-2-13 Lever S, T Brake Ass'y Removal

- 1) Release the Hook [A] and the Hook [B], [C] in the direction of arrow as shown in Fig. 1-16.
- 2) Lift the Lever S, T Brake Ass'y ①, ② with Spring Brake ③.

Assembly :

- 1) Assembly the Lever S Brake Ass'y ① on the Main Base.
- 2) Assembly the Lever T Brake Ass'y ② with Spring Brake ③.

Note : Take extreme care not to be folded and transformed spring Brake at removing or reinstalling.

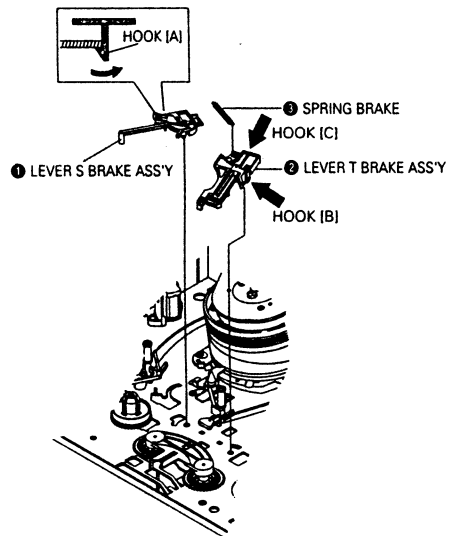


Fig. 1-16 Lever S, T Brake Ass'y Removal

1-2-14 Lever Idle Ass'y Removal

- 1) Push the Lever Idle ① in the direction of arrow "A", "B".
- 2) Lift the Lever Idle ①.

Assembly :

- 1) Apply oil in two Bosses of Lever Idle ①.
- 2) Assemble the Gear Idle ② with the Lever Idle ①.

Note : When replacing the Gear Idle ②, be sure to add oil in the boss of Lever Idle ①.

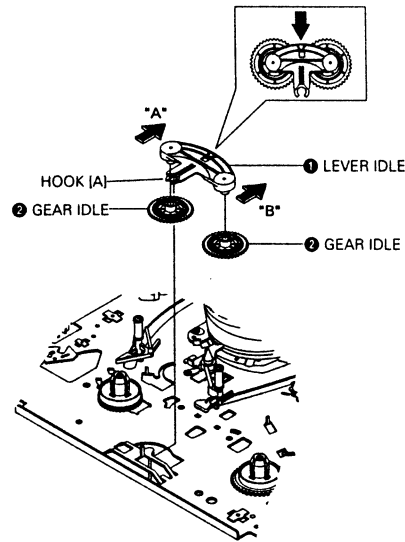


Fig. 1-17 Lever Idle Ass'y Removal

1-2-15 Disk S, T Reel Removal

- 1) Lift the Disk S, T Reel ①, ②.

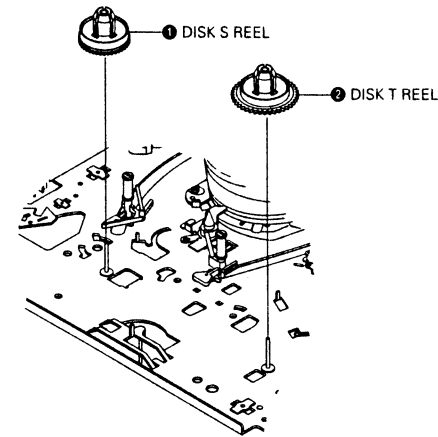


Fig. 1-18 Disk S, T Reel Removal

1-2-16 Holder Clutch Ass'y Removal

- 1) Remove the Washer Slit ①.
- 2) Lift the Holder Clutch Ass'y ②.

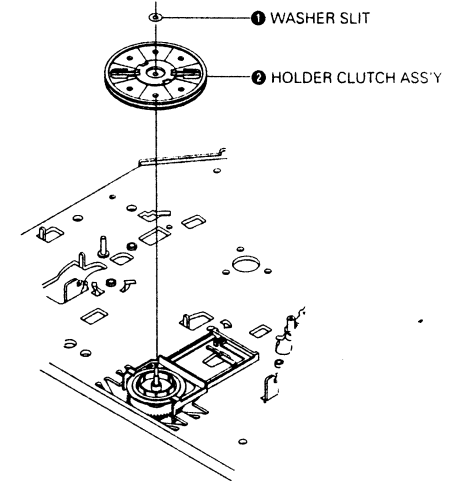


Fig. 1-19 Holder Clutch Ass'y Removal

1-2-21 Lever #9 Guide Ass'y Removal

- 1) Remove the Spring #9 Guide ①.
- 2) Lift the Lever #9 Guide Ass'y ② in the direction of arrow.

Note :

- 1) Take extreme care not to touch the grease on the tape Guide Post.
- 2) After reinstalling, check the bottom side of the Post #9 Guide to stick to the top side of Main Base.

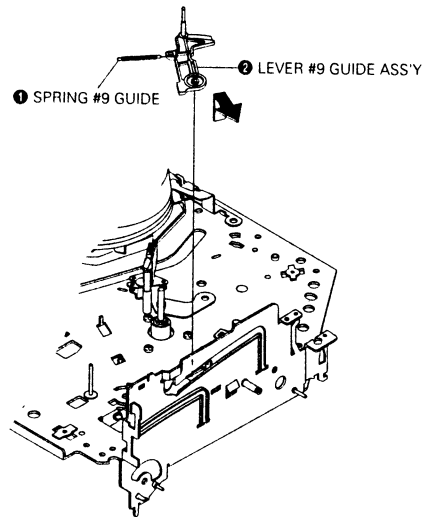


Fig. 1-24 Lever #9 Guide Ass'y Removal

1-2-22 FE Head Removal

- 1) Remove the screw ①.
- 2) Lift the FE Head ②.

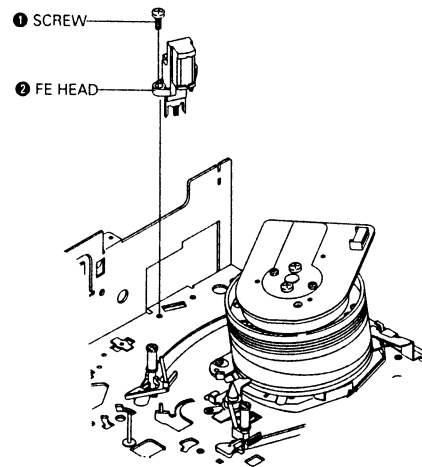


Fig. 1-25 FE Head Removal

1-2-23 ACE Head Removal

- 1) Pull out the FPC from connector of ACE Head Ass'y ②.
- 2) Remove the screw ①.
- 3) Lift the ACE Head Ass'y ②.

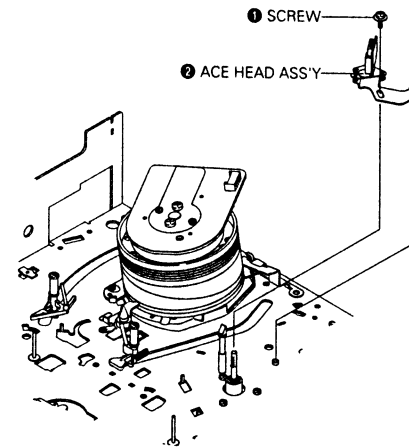


Fig. 1-26 ACE Head Removal

1-2-24 Slider S, T Ass'y Removal

- 1) Move the Slider S, T Ass'y ①, ② to slot, and then lift it to remove. (Refer to arrow)

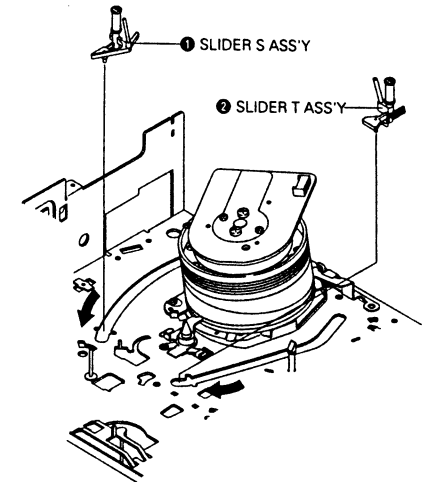


Fig. 1-27 Slider S, T Ass'y Removal

1-2-25 Cylinder Ass'y Removal

- 1) Remove the 3 Screws ①, ③, ⑤.
- 2) Remove the Plate Cylinder A, B, C ②, ④, ⑥ in the direction of arrow.
- 3) Lift the Cylinder Ass'y ⑦.

Note :

- 1) When reinstalling, push the Plate Cylinder A, B ④, ⑥ in the reverse of arrow and then, tighten the 2 Screws ③, ⑤.
- 2) Take care not to touch the Cylinder Ass'y and the tape guide post at reinstalling Plate Cylinder C ②.
- 3) Take care not to touch the Cylinder Ass'y with screw driver at reinstalling the Plate Cylinder C ②.

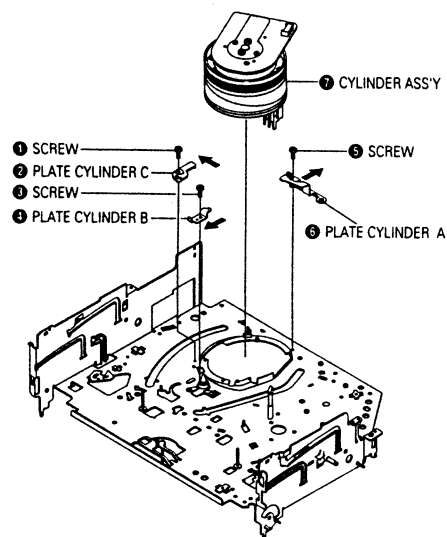


Fig. 1-28 Cylinder Ass'y Removal

1-2-26 Belt Pulley Removal

- 1) Remove the Belt Pulley ①.

Note : Take extreme care not to touch the grease on Belt Pulley ① at assembling or reassembling.

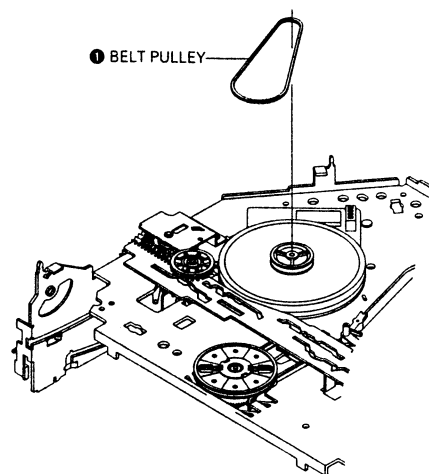


Fig. 1-29 Belt Pulley Removal

1-2-27 Lever Head Cleaner Ass'y Removal (Optional)

- 1) Release the Hook ①.
- 2) Lift the Lever Head Cleaner Ass'y ②.

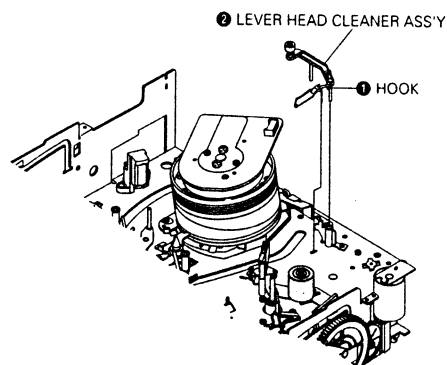


Fig. 1-30 Lever Head Cleaner Ass'y Removal

1-2-28 Motor Capstan Ass'y Removal

- 1) Remove the 3 Screws ①.
- 2) Remove the Motor Capstan Ass'y ②.

Assembly :

- 1) Match the 3 holes of Motor Capstan Ass'y ② to the 3 holes of Main Base as attending not to drop or knock the Motor Capstan Ass'y.
- 2) Tighten the 3 Screws in the direction of arrow as shown detail drawing.

Note :

- 1) Don't reuse the removed screws from Motor Capstan Ass'y.
- 2) After tightening screws, check if there is gap between the head of screws and the top side of Main Base. There should have no gap between the head of screws and the top side of Main Base.
- 3) After reinstalling, adjusting the tape transport system again.

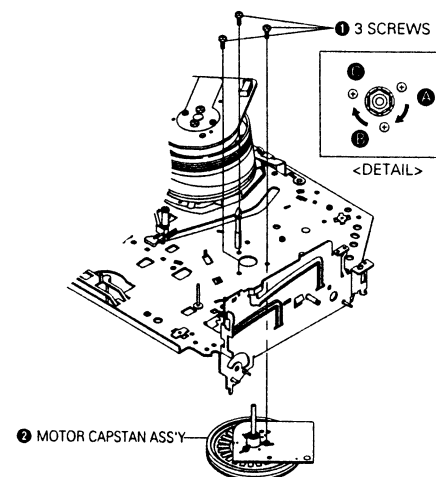


Fig. 1-31 Motor Capstan Ass'y Removal

1-2-29 How to Eject the Cassette Tape (If the unit does not operate on condition that is inserted into housing ass'y)

- 1) Remove the Holder worm ① and the Gear Worm ②.
- 2) Turn the Gear Worm Wheel ③ counterclockwise with screw driver. (Refer to arrow)

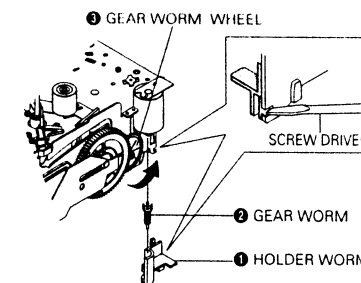


Fig. 1-32

- 3) When Slider S, T are approached in the position of unloading, rotate holder Clutch counterclockwise after inserting screw driver in the hole of frame's bottom in order to wind the unwinded tape. (Refer to Fig. 1-33)
- (If you rotate Gear Worm Wheel continuously when tape is in state of unwinding, you may cause a tape contamination by grease and tape damage. Be sure to wind the unwinded tape in the state of set horizontally.)
- 4) Rotate Gear Worm Wheel ③ counterclockwise using screw driver again up to the state of eject mode and then pick out the tape. (Refer to Fig. 1-32)

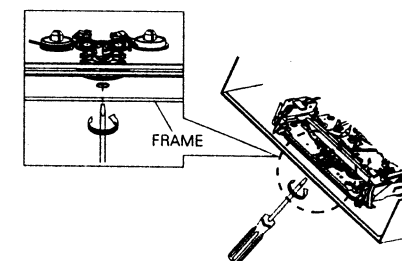


Fig. 1-33

1-2-17 Lever Up Down Ass'y, Gear Center Ass'y Removal

- 1) Remove the 2 hooks in the direction of arrow as shown Fig. 1-20 and lift the Lever Up Down Ass'y ①.
- 2) Lift the Gear Center Ass'y ②.

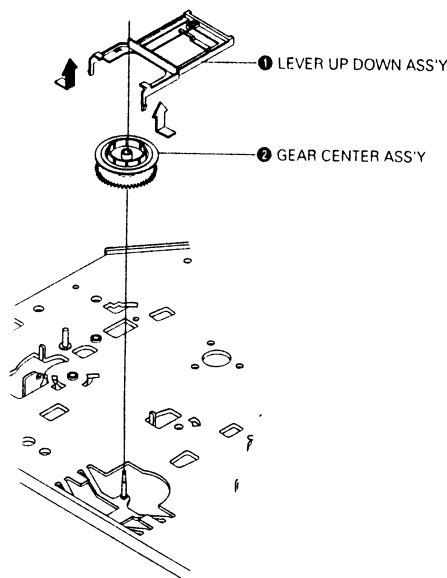


Fig. 1-20 Lever Up Down Ass'y, Gear Center Ass'y Removal

1-2-18 Assembly of Lever Up Down Ass'y, Gear Center Ass'y

- 1) Insert the Lever Up Down Ass'y ① in the 2 rectangular holes on Main Base.
- 2) Lift the Lever Up Down Ass'y ① about 35 degree. (Refer to Fig. 1-21)
- 3) Insert Ring ④ of the Gear Center Ass'y ② in the Guide ⑤ of the Lever Up Down Ass'y ①.
- 4) Insert the Gear Center Ass'y ② in the post ⑥ on Main Base.
- 5) Push down the Lever Up Down Ass'y ① for locking of the Hook ⑦.

Note :

- 1) Take care not to separate and loose the Spring Up Down.
- 2) When assembling the Gear Center Ass'y, don't push down too much.

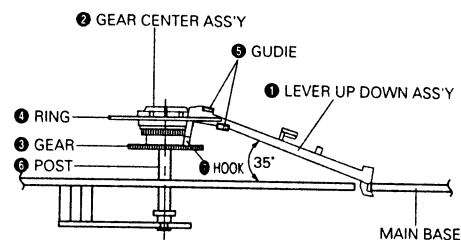


Fig. 1-21 Assembly of Lever Up Down Ass'y, Gear Center Ass'y

1-2-19 Guide Cassette Door Removal

- 1) Lift the Hook [A].
- 2) Rotate the Guide Cassette Door ① in the direction of arrow.

Note : After reinstalling the Guide Cassette Door ① secure the Hook [A].

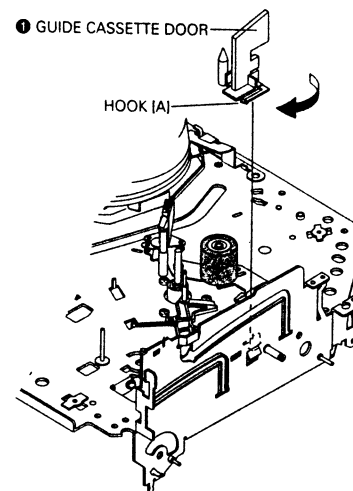


Fig. 1-22 Guide Cassette Door Removal

1-2-20 Unit Pinch Ass'y, Plate Joint, Spring Pinch Drive Removal

- 1) Lift the Unit Pinch Ass'y ①.
- 2) Remove the Plate Joint ② from Lever Pinch Drive.
- 3) Remove the Spring Pinch Drive ③.

Note :

- 1) Take extreme care not to touch the grease on the Roller Pinch.
- 2) When reinstalling, be sure to apply grease on the post pinch roller.

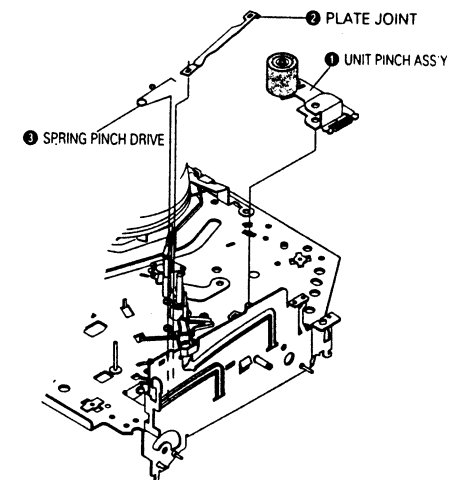


Fig. 1-23 Unit Pinch Ass'y, Plate Joint, Spring Pinch Drive Removal

1-3 The table of clearing, Lubrication and replacement time about principal parts

- 1) The replacement time of parts is not life of parts.
- 2) The table 1-1 is that the VCR Set is in normal condition (normal temperature, normal humidity).
The checking period may be changed owing to the condition of use, runtime and environmental conditions.
- 3) Life of the Cylinder Ass'y is depend on the condition of use.
- 4) See exploded view for location of each parts.

		Checking Period										Remark
		500	1000	1500	2000	2500	3000	3500	4000	4500	5000	
T A P E P A T H S Y S T E M	POST TENSION	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	- To clean the parts, use patch and alcohol (solvent).
	SLANT POST S, T	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
	#8 GUIDE SHAFT	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
	CAPSTAN SHAFT	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	- After cleaning, use the video tape after alcohol is gone awny completely.
	#9 GUIDE POST	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
	#3 GUIDE POST	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	Δ	
	GUIDE ROLLER S, T	Δ	Δ	Δ	○	○	○	○	○	○	○	- We recommend to use oil [EP-56] or solvent.
	CYLINDER ASS'Y	Δ	○	○	○	○	○	○	○	○	○	
	FE HEAD	Δ	Δ	Δ	○	○	○	○	○	○	○	
	ACE HEAD	Δ	○	○	○	○	○	○	○	○	○	- One or two drops of oil should be applied after cleaning with alcohol.
	PINCH ROLLER	Δ	○	○	○	○	○	○	○	○	○	
	POST REEL S, T		◆		◆		◆		◆		◆	
	SLEEVE TENSION		◆		◆		◆		◆		◆	- Periodic time of applying oil (Apply oil after cleaning) - The excessive applying oil may be the cause of malfunction.
D R I V I N G S Y S T E M	POST CENTER		◆		◆		◆		◆		◆	
	LEVER IDLE BOSS (2Point)		◆		◆		◆		◆		◆	
	CAPSTAN MOTOR PULLEY	Δ	Δ	Δ	Δ	Δ	○	○	○	○	○	
	BELT PULLEY				○	○	○	○	○	○	○	
	HOLDER CLUTCH ASS'Y	Δ	○	○	○	○	○	○	○	○	○	
	GEAR CENTER ASS'Y		○	○	○	○	○	○	○	○	○	
	GEAR IDLE (2Point)		○	○	○	○	○	○	○	○	○	
	LOADING MOTOR		○	○	○	○	○	○	○	○	○	
B R A K E S Y S T E M	BAND BRAKE ASS'Y		○	○	○	○	○	○	○	○	○	
	BRAKE T ASS'Y		○	○	○	○	○	○	○	○	○	

Δ : Cleaning ○ : Check and replacement in necessary ◆ : Add Oil

2. Alignment and Adjustment

2-1 Tape Transport System and Adjustment Locations

The tape transport system has been adjusted precisely in the factory. Alignment is not necessary except for the following :

- 1) Noise observed on the screen.
- 2) Tape damage.
- 3) Parts replacement in the tape transport system.

Lower flange height of tape guide is used as the reference for the transport adjustment.
To maintain the height of the tape guide and prevent damage, do not apply excessive force onto the main base.

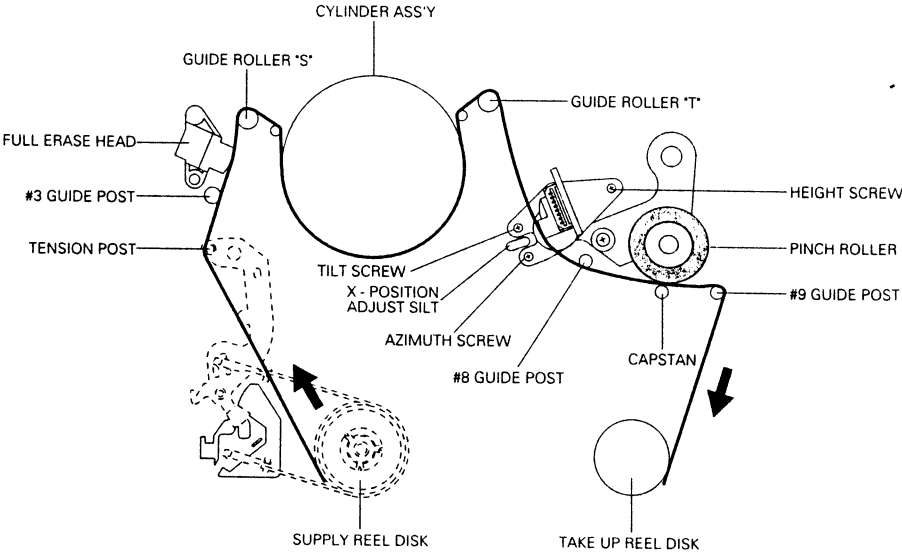


Fig. 2-1 Location of Tape Transport Adjustment

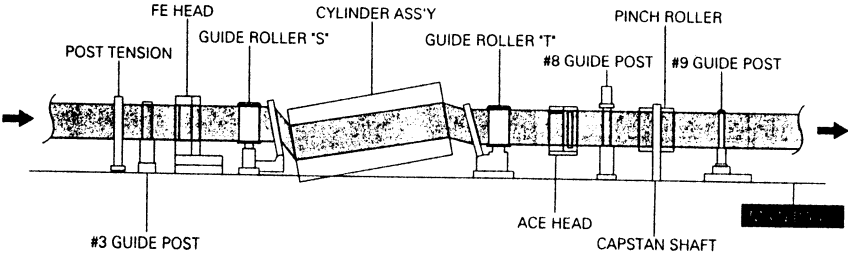


Fig. 2-2 Tape Travel Diagram

2-2 Tape Transport System Adjustment

When parts are replaced, perform the required adjustments by referring to procedures for the tape transport system. If there are any changes to the tape path, first run a T-120 tape and make sure excessive tape wrinkle does not occur at the tape guides.

- 1) If tape wrinkle is observed at the guide roller S, T, turn the guide roller S, T until wrinkle disappears.
- 2) If the tape wrinkle is still observed at the tape guide, perform the tilt adjustment of the ACE head. (See page 5-3 of the Service Manual for Test Point Locations.)

2-2-1 ACE Head Assembly Adjustment

2-2-1(a) ACE HEAD HEIGHT ADJUSTMENT

- 1) Run the alignment tape (Color bar) in the playback mode.
- 2) Observe surface of the audio head using a dental mirror.
- 3) Turn screw (C) clockwise or counterclockwise until the gap of lower tape edge and the lower edge of the control head is about 0.25mm. (Refer to Fig. 2-3 and 2-4)

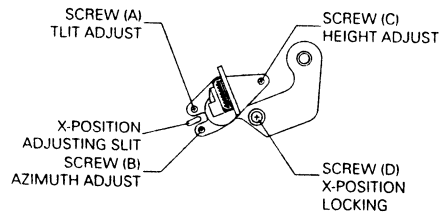


Fig. 2-3 Location of ACE Head Adjustment Screw

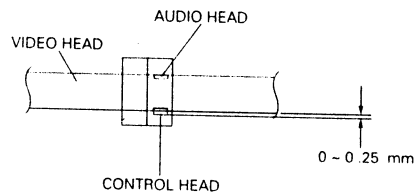


Fig. 2-4 ACE Head Height Adjustment

2-2-1(b) ACE HEAD TILT ADJUSTMENT

- 1) Playback a blank tape and observe the position of the tape at the lower flange of tape guide.
- 2) Confirm that there is no curl or wrinkle at the lower flange of tape guide as shown in Fig. 2-5 (B).
- 3) If a curl or wrinkle of the tape occurs, slightly turn the screw (A) tilt adjust on the ACE head ass'y.
- 4) Reconfirm the ACE head height.

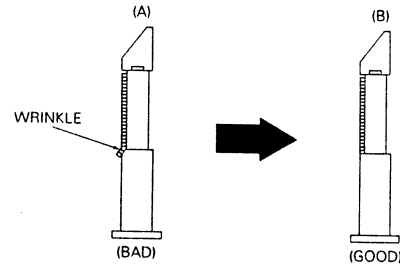


Fig. 2-5 Tape Guide Check

2-2-1(c) AUDIO AZIMUTH ADJUSTMENT

- 1) Load alignment tape (Mono scope) and playback the NTSC : 7KHz (PAL : 6KHz) signal.
- 2) Connect channel-1 scope probe to audio output test point.
- 3) Adjust screw (B) to achieve maximum audio level. (See Fig. 2-3)

2-2-1(d) ACE HEAD POSITION (X-POINT) ADJUSTMENT

- 1) See page 5-1 of the Service Manual for ACE Head position (X-Point) adjustment.

2-2-2 Linearity adjustment (Guide roller S, T adjustment)

- 1) Playback the Mono Scope alignment tape (SP mode).
- 2) Observe the video envelope signal on an oscilloscope (triggered by the video switching pulse).
- 3) Make sure the video envelope waveform (at its minimum) meets the specification shown in Fig. 2-6.

If it does not, adjust as follows :

Note :

- a=Maximum output of the video RF envelope.
- b=Minimum output of the video RF envelope at the entrance side.
- c=Minimum output of the video RF envelope at the center point.
- d=Maximum output of the video RF envelope at the exit side.

- 4) If the section A in Fig. 2-7 does not meet the specification, adjust the guide roller S up or down.
- 5) If the section B in Fig. 2-7 does not meet the specification, adjust the guide roller T up or down.

- 6) Playback the Mono Scope alignment tape (SP mode).

- 7) Connect an oscilloscope CH-1 to the Envelope and CH-2 to the H'D SW Pulse for triggering.

- 8) Turn the guide roller heads with a flat head () driver to obtain a flat video RF envelope as shown in Fig. 2-8.

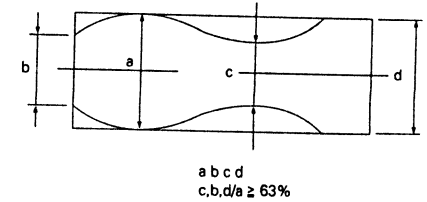


Fig. 2-6 Envelope Waveform Adjustment

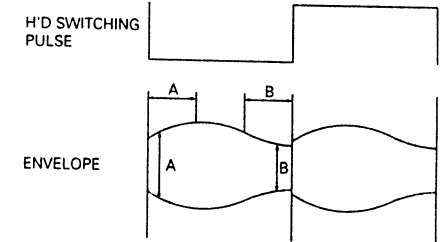


Fig. 2-7 Adjustment Points

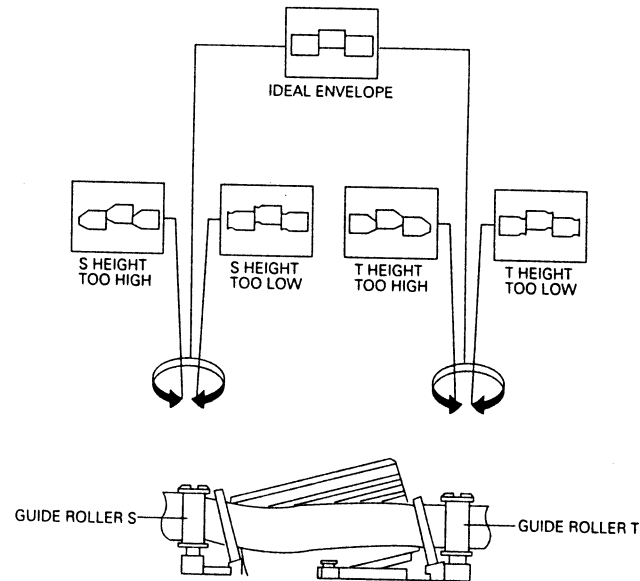


Fig. 2-8 Guide Roller S, T Height Adjustment

2-2-3 Check Transitional Operation from RPS to Play

Check transition from RPS mode to play mode :
Using a pre-recorded SP tape, make sure the entry side of envelope comes to an appropriate steady state within 3 seconds (as shown in Fig. 2-9).
If the envelope waveform does not reach specified peak-to peak amplitude within 3 seconds, adjust as follows :

- 1) Make sure there is no gap between the supply roller lower flange and the tape.
If there is a gap, adjust the supply guide roller again.
- 2) Change operation mode from the RPS to the play mode (again) and make sure the entry side of envelope rises within 3 second.

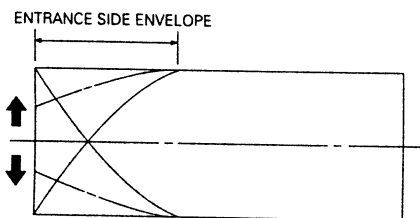


Fig. 2-9 Video Envelope Rising when Operation mode Changes from RPS to Play Mode

2-3 Reel Torque

- 1) The rotation of the capstan motor causes the Holder Clutch Ass'y to rotate through the Belt Pulley.
- 2) The spring wrap PLAY/REV of holder clutch ass'y drives the disk reel S, T through gear idle by rotation of gear center ass'y.
- 3) Brake is operated by slider cam at FF/REW mode.
- 4) Transportation of accurate driving force is done by gears. (Gear Center Ass'y)

Note : If the spec. does not meet the followings specifications, replace the holder clutch ass'y and then recheck.

2-2-4 Envelope Check

- 1) Make recordings on T-120 (E-120) and T-160 (E-180) tape.
Make sure the playback output envelope meets the specification as shown in Fig. 2-10.
- 2) Play back a self recorded tape (recording made on the unit using with T-120 (E-120)).
The video envelope should meet the specification as shown in Fig. 2-10.
In SP mode, (A) should equal (B).
If the head gap is wide, upper cylinder should be checked.

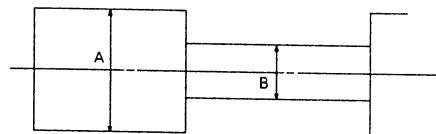


Fig. 2-10 Envelope Output and Output Level

2-2-5 Tape Wrinkle Check

- 1) Run the T-160 (E-180) tape in the playback, FPS, RPS and Pause modes and observe tape wrinkle at each guide.
- 2) If excessive tape wrinkle is observed, perform the following adjustments in Playback mode :

- ◆ Tape wrinkle at the guide roller S, T section :
Linearity adjustment.
- ◆ Tape wrinkle at tape guide flange :
ACE head assembly coarse adjustment.

<Table 2-1>

MODE	TORQUE g/cm		GAUGE
PB	NTSC	82.5 ± 27.5	Cassette Torquemeter
	PAL	79 ± 27	
RPS	145 ± 30		Cassette Torquemeter

2-4 Location adjustment and Confirmation of Tension Post

- 1) Remove the holder cassette ass'y and then push the lever FL Arm-R to the direction of loading.
- 2) Push the lever tension drive ① in the direction of arrow. (See Fig. 2-11)
- 3) Turn the gear worm wheel ② clockwise so that "Timing Point" of the slider FL drive ③ and gear FL cam ④ can be aligned (See Fig. 2-12)

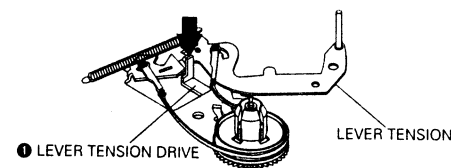


Fig. 2-11

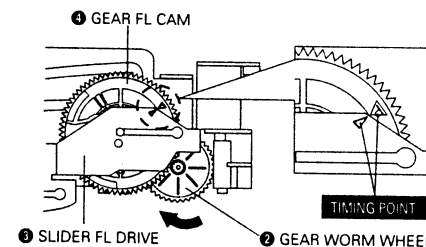


Fig. 2-12

- 4) As rotating Disk S Reel ① clockwise and the region of adjusting in the Main Base (in shape of slit) clockwise or counterclockwise after inserting screw driver in the slit on Main Base. Adjust the left end edge of Lever Tension Ass'y ⑤ to 1.3 +1.5/-0.5mm from the location of mark in the Main Base.
- 5) As rotating Disk S Reel ①, double-check the location of the left end edge of Lever Tension Ass'y and the quantity of crossing from mark on Main Base. (+1.0/-0.5mm)

Counterclockwise : Torque UP
Clockwise : Torque DOWN

Back Tension should be 56 ± 15g.cm at inspecting it with Back Tension Meter.

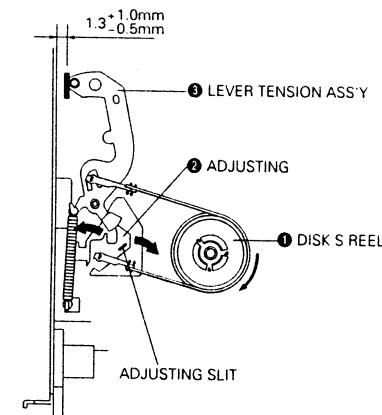


Fig. 2-13 Tension Pole and Back Tension Adjustment

Note :

- 1) Mark on Main Base is located in about 1.3mm from inside of bending line.
- 2) Be careful not to deform the region of adjusting on Main Base up and down at adjusting.